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### COMMONWEALTH of PENNSYLVANIA DEPARTMENT of MINES and MINERAL INDUSTRIES



Anthracite Division

1968

Annual Report

Harrisburg, Pennsylvania

RAYMOND P. SHAFER

Governor

H. B. CHARMBURY

Secretary of Mines and Mineral Industries

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### COMMONWEALTH OF PENNSYLVANIA

RAYMOND P. SHAFER
Governor



### DEPARTMENT of MINES and MINERAL INDUSTRIES H. B. CHARMBURY Secretary

ANTHRACITE DIVISION

1968

ANNUAL REPORT

Harrisburg

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MINES AND MINERAL INDUSTRIES HARRISBURG

H. B. CHARMBURY

April 15, 1969

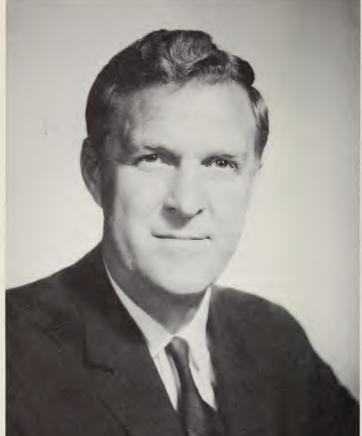
The Honorable Raymond P. Shafer Governor Commonwealth of Pennsylvania Harrisburg, Pennsylvania

Dear Governor Shafer:

In compliance with the Act of April 14, 1903, I transmit herewith the Report of the Department of Mines and Mineral Industries for the year ending December 31, 1968, covering in detail the operations in the Anthracite Division of Pennsylvania.

Respectfully submitted,

8 70



### RAYMOND PHILIP SHAFER GOVERNOR, COMMONWEALTH OF PENNSYLVANIA

Pennsylvania's Governor Raymond Philip Shafer was born March 5. 1917, in New Castle, Pennsylvania. and raised in Meadville where he attended the public schools. At his high school commencement in 1934 he proved that a star basketball player could be class valedictorian.

His athletic-academic abilities were displayed on a greater scale at Allegheny College. A political science major, he made Phi Beta Kappa, won nine varsity letters (basketball, soccer and track), was class president each year and was the student body president in his senior year.

After graduation in 1938 he went to Yale Law School. Members of his law fraternity included future Governor Scranton, two future U. S. Supreme Court Justices (Stewart and White), a future U. S. Senator (Dominick, Colorado), future author (Walter S. Lord) and others who made their mark on the national scene, LIFE magazine in 1966 reprinted this extraordinary group's portrait taken in 1940. Shafer had then become Lieutenant Governor of Pennsylvania and was the

Republican nominee for Governor.

After getting his law degree in June 1941. Shafer, the following month, married his college sweetheart, Jane Harris Davies of Pittsburgh. In August the couple moved to New York City where Shafer was associated with Secretary of War Stimson's law firm (Winthrop. Stimson, Putnam and Roberts). In 1942 he was commissioned an ensign in the Navy. Before returning to inactive duty in 1945, he had logged over 80 combat missions in PT Boats, brought General Mac-Arthur back to Corregidor in fulfillment of the famous promise, and had added the Bronze Star and the Purple Heart to his campaign medals. The official U. S. Navy Volume on PT-Boat Operations carries a photograph of Shafer, aboard a rubber raft, evacuating paratroopers pinned down by sniper fire on a small Pacific Island.

After the war, Shafer returned to Meadville to practice law. He was affiliated with the office of the late former Judge Mook, and subsequently became a partner in the firm of Thomas, Shafer, Dornhaffer and Swick. He taught business law at Alleghenv College while practicing. In 1947 he was elected district attorney of Crawford County on both tickets, a feat he repeated in 1951. In 1958 he was elected to the Pennsylvania Senate, representing Mercer and Crawford Counties. In 1962 he was elected Lieutenant Governor of Pennsylvania, and two years later was the acting Chairman of the Pennsylvania delegation to the 1964 Republican National Convention in San Francisco. In November 1966 he was elected Governor, marking the first time in Pennsylvania's political history that a lieutenant governor successfully ran for the highest office.

An ardent sportsman, Governor Shafer is a top-flight golfer. His civic activities are legion. He holds memberships in many community and fraternal organizations, together with his professional associations as a member of the Bar.

Governor and Mrs. Shafer have three children: Diane, Raymond, Jr., and Jane as well as a grandson, "Flip."



### DR. H. B. CHARMBURY PENNSYLVANIA SECRETARY OF MINES AND MINERAL INDUSTRIES

Pennsylvania's Secretary of Mines and Mineral Industries, Dr. H. Beecher Charmbury, was born September 21, 1914 in Hanover, Pennsylvania, and educated in Hanover public schools.

Dr. Charmbury commands a wealth of professional education and experience in

his post as Secretary of Mines and Mineral Industries.

He was first appointed to this position by former Governor William W. Scranton in January, 1963, and subsequently reappointed by present Governor Raymond P. Shafer in December, 1966.

He received his A. B. degree in chemistry, cum laude, from Gettysburg College in 1936, and his Master's degree in chemistry from Pennsylvania University the following year. He was awarded his Ph. D. degree in Fuel Technology from The

Pennsylvania State University in 1942.

Prior to his appointment as Secretary of Mines and Mineral Industries, Dr. Charmbury has been associated with The Pennsylvania State University since 1937 and currently is on leave of absence from that school. He started out as a research assistant in the Department of Petroleum and Natural Gas, and from there went on to become Professor and Head of the Department of Mineral Preparation at Penn State in 1953.

He was one of the first people to be invited as a lecturer at the Third International Coal Preparation Congress in Liege, Belgium in 1958, and was also a lecturer at the First European Symposium on Coal Size Reduction in Frankfurt, Germany in 1962.

The firms to which he has been a consultant on problems related to coal, metallic and non-metallic minerals, as well as air pollution, reads like a blue chip list of American industry. A partial list includes the Molybdenum Corporation of America; Rochester and Pittsburgh Coal Company; Esso Research and Engineering Company; The Babcock and Wilcox Company; The American Tool and Supply Company; The Lampa Mining Company, Ltd.; Corn Products Company; "Rock Products" (Maclean-Hunter Publications); and Titan Metal Manufacturing Company. In addition he has also served as consultant to many municipalities on similar problems.

He has authored numerous articles on coal and other mineral technology for such publications as "Mechanization", "Utilization", "Rock Products", "Mineral Industries", "Brick and Clay Record", and "Mining Engineering". Many of his technical papers have been translated and reprinted abroad in German, French and Chinese

publications.

As a renowned authority on coal, its preparation and usage, as well as other minerals, Dr. Charmbury has also presented technical papers before such conclaves as the American Mining Congress, the American Chemical Society, and the National Association of Industrial and Mechanical Engineers.

He is listed in American Men of Science, Who's Who in American Education, Who's Who in Engineering, Who's Who in the East, and Leaders in American Science.

As Secretary of Mines and Mineral Industries in Pennsylvania, Dr. Charmbury serves as chairman of the following boards and commissions: Bituminous Land Reclamation Board; Coal Research Board; State Mine Subsidence Insurance Fund; Oil and Gas Conservation Commission; Anthracite and Bituminous State Mine Inspectors' Examining Board; Oil and Gas Inspectors' Examining Board; and the Anthracite Mine Drainage Commission.

In addition, he is vice-chairman of the Anthracite Allocation Committee as well as a member of the State's Sanitary Water Board and the Air Pollution Commission. He also is a member of the Board of Trustees for the Pennsylvania State University.

He is a member of the Lutheran Church, A. F. & A. M., and a past exalted ruler and past district deputy grand exalted ruler of the B. P. O. Elks.

### 1968 ANNUAL REVIEW

by

### Dr. H. B. Charmbury, Secretary

By sheer weight of achievement, the year 1968 has to be singled out as one of the most significant in the long history of Pennsylvania's Department of Mines and Mineral Industries.

On all fronts—mine safety, coal production, regulation and enforcement, mine area restoration, research, and legislation—notable accomplishments marked the entire year.

Pennsylvania has certainly come a long way since 1963.

Our State has always been a leader in providing effective safety as well as conservation legislation.

But this means nothing unless enforcement of these laws is just as adequate.

Early in 1968, I ordered our mine inspector force to start making surveys of all the deep coal mines within the State for the purpose of checking compliance with our safety laws, and particularly in regards to the handling of explosives within the mines.

In an effort to further strengthen our enforcement of the deep mine safety laws, I have since ordered the inspectors to periodically change or rotate the schedule of their regular mine inspections, and, to spot check, unannounced, any deep mine which our director of mine safety feels should be checked out for any reason. Even though scheduled visits by our mine inspectors are not announced now, by changing their schedules periodically, and by adding spot check investigations to their regular inspections, we hope to see even better compliance with our safety laws and regulations during 1969.

To help keep this cause of safety foremost in the minds of not only the mining management peoples, but the miners themselves, I added a competent mine safety coordinator to my staff in the summer of 1968. This man, responsible principally to me, will go into the mines and talk with the men directly about safety, per se, and the need for constant vigilance underground. Not only that, but his reports along with the regular inspectors' reports, will provide us with a closer insight into the problems as well as action taken by mine owners and officials in promoting safety.

Even though we experienced less fatalities during the past year than in the previous year, a total of 36 in 1967 as against 33 in 1968, any relaxation—throughout the year—of maximum effort in promotion and enforcement of our safety codes would be tantamount to the abandonment of our oldest assigned responsibility. And I am keenly aware of this fact.



Collapsing pillars in old abandoned deep mines continue to plague many sections of Pennsylvania's coal region communities. The two homes above are in Pittsburgh's West Mifflin residential area and were condemned after surface subsidence virtually destroyed them. No one was hurt, however. This area was one of five different areas of the State where dry fly ash was employed to 'flush' voids for the first time in the world by the Department.



Variability of the Department's reclamation work is shown with this photo of capped and plugged abandoned well in new Moraine State Park, Butler County. This well was one of 300 such wells that the Department sealed in joint effort with Department of Forests and Waters in park's development. In addition to well sealing, several hundred acres of abandoned strip mines were restored to near original condition and several hundred thousand tons of abandoned mine refuse banks were buried to make new park's Lake Arthur safe from pollution.

In addition, late in 1968 and of significant importance in our efforts to control or eliminate the causes of pneumoconiosis—miner's asthma—was the Coal Research Board's grant to two agencies, Bituminous Coal Research, Inc. and the Lee-Norse Mining Co., both of Pittsburgh. This award, for \$136,000 was for the actual design and prototype construction of the mechanical dust collection devices, which can be employed on the widely used continuous mining machines to arrest dust production at the source.

We have every reason to be hopeful that the hardware that these two agencies will jointly develop, will be adaptable to virtually any type of continuous, mechanical miners. Successful development of this single Coal Research Board project, portends tremendous advancement in the ultimate elimination of the cause of this dread disease. This award also highlights the very importance of the Coal Research Board and the great progress made by this agency in the past few years alone. I am extremely hopeful that funds for this particular research agency will be forthcoming during 1969 in order to accommodate even more important proposals already before them for approval, and which subsequently had to be denied in 1968.

At the same time, while our total coal production was down over the previous year, I am greatly enthused about tonnage prospects for 1969. Even though our bituminous mines produced 75,714,611 tons through 1968, compared with 79,101,385 tons for the previous year, new mine-mouth installations in the central part of our State promise fulfillment of one of our main goals. And that is to make Pennsylvania the electricity producing capital of the eastern seaboard. We are well on our way to this 'coal-by-wire' goal, with active installations in Cambria and Indiana counties now serving as the hub in this endeavor. Anthracite production, on the other hand, continued a downward trend begun years ago, dropping from a total of 11,552,441 tons during 1967, to 11,025,482 tons during 1968. At the same time, there are still 6,682 people employed in anthracite mining operations in the State; a total of 23,117 are employed in bituminous coal mines.

Through "Operation Scarlift", launched in 1967, we began an action program on burning abandoned mine refuse banks as major sources of air pollution in the coal regions. We currently have \$2.5 million in conservation bond issue funds actively committed to eliminate four major sources of this type of air pollution located in Luzerne and Lackawanna counties. Other projects are in various stages of development.

In addition to that, regulation over active mine refuse banks was turned over to our Department during the past year by legislation and signed into law by Governor Shafer. Our Department is now in the process of charting the actual locations of all of these banks, as well as developing and implementing controls to ensure that they will not become burning air pollution hazards in the future.

'Scarlift' itself has already become a standard for conservationreclamation programs by which other states can model. The scope of this program was advanced to the point during 1968, whereby we now



"Fire engine" type portable lime neutralization plants such as the one shown in foreground above, were employed by the Department for the first time in Nation in 1968. They will be primarily used to neutralize acid strip mine pits prior to complete restoration and drainage of these pits, and on an emergency basis to stop periodic "acid slugging" of Commonwealth streams.



Workmen are shown cutting 15-foot wide trench leading from air shaft at abandoned Buttonwood Colliery, near Wilkes-Barre, prior to installation of concrete. In this 'Scarlift' reclamation project, the outflow of water through the air shaft, opened in the fall of 1968, served to relieve subsidence problems across the Susquehanna River in the Kingston area by pulling subsurface water tables down in abandoned mines on that side of Wyoming Valley and out of subsurface moraine sand deposits.

have—in action and research programs—a total of \$57 million committed to some 117 active projects.

The funds for this important work are provided by the State Legislature and supported by grants and joint contracts with the Appalachian Regional Commission, the Federal Water Pollution Control Administration and the Department of Interior's U.S. Bureau of Mines.

We were successful in having 11 of 12 of our proposed joint contracts on abandoned mine drainage research approved by the FWPCA during 1968. This points up significance of the Department's advanced technology in this area since this Federal agency financially supported a total of only 18 such research-demonstration projects throughout the entire nation during the year.

Besides the four burning bank extinguishment projects, other active conservation bond issue projects include 44 projects to control or eliminate sources of abandoned mine drainage pollution, \$22.4 million committed thus far; 5 projects to control or extinguish underground mine fires, \$800,000; and 9 projects to help curtail surface subsidence by filling-in underground, abandoned mines, \$409,000. A total of \$30 million in State and Federal funds through Appalachia is spread over 55 similar projects in the coal regions.

During early summer last year, we successfully demonstrated the use of dry fly ash as a material that can be used in filling-in underground abandoned mine voids. This project, at Pittsburgh's Glen Gormley residential area, was the first of its type in history. This material, a waste by-product of coal using electric power stations, is now being used in two of our underground 'flushing' projects, and several more are being planned.

The most significant accomplishment insofar as the Oil and Gas Division is concerned was the passage of Act 265 approved July 31, 1968. In one form or another, similar amendments to the basic Act were proposed in every Legislative Session since 1957. Act 265 amended the Pennsylvania Gas Operations, Well-Drilling, Petroleum and Coal Mining Act of 1955.

First of all, this new Act provides uniform reporting. While the basic Act did define how shallow wells in non-coal areas must be plugged, no plugging certificate was filed with this Division, nor was the Division advised prior to plugging or drilling by the industry. These amendments became effective September 30, 1968. To illustrate: A total of 849 plugging file numbers for shallow non-coal wells were issued from the effective date to January 1, 1969. During the same period, 297 drilling permits were issued for wells in these areas.

Prior to the enactment of Act 265, we would have received no plugging data, and only location plats and well records, thirty days after well completion.

A total of 871 wells were drilled and completed during the year, 248 for gas and 466 for oil.



The burning Pennsylvania Coal & Coke Co. abandoned bank at Heshbon in Indiana County was subjected to a "chemical smothering" approach under a research project by the Department of Mines. Project involved extinguishment of the pile by application of a mixture of vermiculite, sodium bicarbonate, limestone dust and resins to the fire area. The pile has been shaded and the smothering chemicals have been applied by Melpar, Inc., in a \$178,497.60 grant by the Pennsylvania Coal Research Board.



People who remember what the Marvine burning bank at Scranton looked like before the Department of Mines' project started to extinguish it (above), would never recognize the huge pile of air pollution today! Progress on extinguishment has been so terrific that the bank, which lies practically on top of Interstate 81 in north Scranton, will be eliminated early in 1969. It will be another historic first for the Department, which has pioneered mine area reclamation ever since 1963. High-pressure hydraulic guns are being used, employed by the Department for the first time anywhere.



## STATISTICAL REPORTS



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MINES AND MINERAL INDUSTRIES
APPROVED TOTAL PRODUCTION FROM STRIPPINGS AND WASHERIES
EMPLOYES, FATALITIES, ETC.
1870 - 1968

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employes	Fatal-	Production per fatality	Fatal- ities per million tons	No. of ins- pec- tors
1870	14,172,004			35,600	211	# 67,166	14.89	#555556
1871	15,532,252			37,488	210	73,963	13.52	5
1872	15,567,973			44,745	223	69,811	14.32	5
1873	21,001,521			48,199	264	79,551	12.57	5
1874	19,930,240			53,402	231	86,278	11.59	5
1875	23,402,646			69,966	238	98,330	10.17	6
1876 1877	23,440,666			70,474	228 194	102,810	9.73 7.85	6
1878	24,727,213 20,900,966			66,842 63,964	187	127,460 111,770	8.95	6
1879	31,036,600			68,847	262	118,460	8.44	6
1880	27,974,532			73,373	202	138,488	7.22	6
1881	34,202,558			76,031	273	125,284	7.98	7
1882	35,057,430			82,200	295	118,839	8.41	7 6 6 6
1883	37,747,369			91,421	323	116,865	8.56	6
1884	36,468,738			101,073	332	109,846	9.10	6 7
1885 1886	38,232,155 38,950,932			100,320 103,044	332 279	115,157	8.68 7.16	7
1887	42,156,300			106,517	316	133,406	7.50	7
1888	46,635,037			122,218	364	128,118	7.81	7 7 8 8
1889	43,650,768			119,646	397	109,952	9.09	8
1890	44,986,286			119,919	378	119,011	8.40	7
1891	49,701,322			123,308	428	116,125	8.61	8
1892	51,226,978			130,300	418	122,553	8.16	8
1893 1894	52,841,110	286 060		138,069	456	115,880	8.63	8
1895	50,966,920 56,948,756	386,960 386,534		139,939 143,705	ЦЦ6 Ц21	114,276 135,270	8.75 7.39	8
1896	53,843,250	527,809		150,088	502	107,257	9.32	8
1897	52,581,036	732,743		149,557	423	124,305	8.04	8
1898	52,812,675	697,759		142,420	411	129,498	7.78	8
1899	60,518,331	1,055,426		140,604	461	131,276	7.62	8
1900	57,363,396	1,818,170		143,824	411	139,570	7.16	8
1901 1902	67,094,665	2,009,864 2,965,792		147,651	513	130,789	7.65	8
1903	41,340,935	4,119,258		148,139 151,827	300 518	137,803	7.26 6.89	15
1904	73,594,369	3,440,420		161,330	595	123,688	8.08	15
1905	78,647,020	3,897,688		168,254	644	122,123	8.19	15
1906	72,139,510	4,880,402		166,175	557	129,514	7.72	19
1907	86,056,412	5,630,169		168,774	708	121,549	8.23	20
1908	83,543,243	4,635,923		174,503	678	123,220	8.12	20
1909 1910	80,223,833 83,683,994	5,206,562		171,195	567 601	141,488	7.07	20 20
1911	90,917,176	5,412,167 4,555,457		168,175 173,338	699	139,241 130,067	7.18 7.69	21
1912	84,426,869	4,317,161		175,098	601	140,477	7.12	21
1913	91,626,964	2,934,157		175,310	624	146,838	6.81	21
1914	91,189,641	2,702,537		180,899	600	151.983	6.58	21
1915	89,377,706	3,418,427		177,339	588	152,003 155,186	6.58	21
1916	87,680,198	4,432,606		159,169	565	155,186	6.44	25 25
1917 1918	100,445,299	6,408,277		156,148	581	172,883	5.78	25
1919	99,445,794 87,838,024	7,246,454 3,616,675		148,226	556 636	178,859 138,110	5.59 7.24	25 25
1920	89,636,036	5 1.35 607		153,780 149,117	490	182,931	5.47	25
1921	90,358,642	5,435,697 1,842,096		161.926	546	165,492	6.04	25
1922	53,910,201	2,525,402		159,880	300	179,701	5.56	25 22
1923	92,653,641	4,212,001		158,764	515	179,910	5.56	22
1924	87,277,449	1,141,796		162,503	496	175,963	5.68	22
1925	61,334,145	894,187		163,825	401	152,953	6.54	18
1926	83,874,500	1,365,175 1,841,440		168,734	455 492	184,340	5.42 6.20	18
1928	79,367,154	1,614,863		167,648 160,721	447	161,315 166,784	6.00	25
1929	72,985,844	878,599		7 (2 1 22	483	151,109	6.62	20
	12,700,044	070,599		100,466				
1930 1931	68,776,559 59,115,387	890,389 1,468,572	K	153,422 151,171 138,400	444	154,902 153,946	6.46	25 25 25 25 25

						D	Fatal-	No.
	Total	Washerv	Stripping			Produc- tion	ities per	of ins-
	production	production	production		Fatal-	per	million	pec-
Year	(net tons)	(net tons)*	(net tons)*	Employes	ities	fatality	tons	tors
1932	49,501,511	1,062,853	3,545,948	119,480	243	203,710	4.91	21
1933	49,507,577	2,090,996	4,308,811	102,469	232	213,395	4.69	21
1934	56,798,951	1,516,393	4,461,894	106,251	260	218,458	4.58	19
1935	51,359,111	1,876,700	4,962,514	100,539	267	192,256	5.20	17
1936	54,264,016	1,411,988	3,757,678	99,704	241	225,162	4-44	16
1937	51,700,296	1,882,026	5,014,052	99,117	212	243,869	4.10	22
1938	46,269,511	2,031,432	5,080,344	96,998	223	207,487	4.82	20
1939	51,399,707	2,347,269	5,308,049	93,352	210	244,761	4.09	24
1940	51,526,454	2,599,280	6,010,364	90,790	182	283,112	3.53	23
1941	53,942,177	3,689,538	7,855,945	88,849	189	285,408	3.50 3.88	22 22
1942	57,939,629	4,045,970 7,715,860	9,657,307	83,707	225 218	257,509 277,577	3.60	23
1943 1944	60,511,730 64,112,589	10,527,481	10,925,619	79,369 78,145	171	374,927	2.67	2J
1945	55,901,235	9,454,205	10,521,174	76,265	137	408,038	2.45	23
1946	61,978,710	9,214,678	12,912,992	80,556	169	366,738	2.73	24
1947	58,227,985	7,076,796	12,691,382	80,730	165	352,897	2.83	24
1948	59,108,810	6,735,688	13,485,837	80,390	131	451,212	2,22	26
1949	44,710,118	4,823,144	11,081,087	79,209	92	485,980	2.06	26
1950	46,339,255	4,027,249	12,291,325	75,231	86	538,829	1.86	25
1951	42,389,055	4,843,834	11,376,379	70,357	94	450,927	2,22	25
1952	40,067,130	4,710,495	11,019,185	66,438	92	435,512	2.30	25
1953	30,495,391	3,892,083	8,883,984	56,952	59	516,871	1.93	25
1954	26,612,312	3,055,528	7,852,186	44,731	47	566,219	1.76	24
1955**	25,934,792	3,618,121	7,826,029	37,397	60	432,247	2.31	20
1956	28,175,633	4,336,168	8,527,613	35,029	54	521,771	1.92	18
1957	25,163,466	4,356,958	7,831,511	32,767	51	493,401	2.03	21
1958	20,456,474	2,711,152	7,001,422	26,738	31	659,886	1.52	20
1959	19,670,615	2,981,696	7,272,661	24,112	46	427,622	2.34	20
1960	17,721,113	3,006,803	7,138,743	20,269	35	506,318	1.98	23
1961 1962	16,506,612	2,418,433	7,279,371	16,971	19	868,769	1.15	23
1963	16,496,315	2,829,421	6,942,675	14,704	26	634,474	1.58 1.72	22 22
1964	17,411,202 16,524,687	3,013,307	7,552,995 7,248,900	14,323 13,584	30 24	580,373	1.45	22
1965	14,229,817	2,611,189	5,996,536	11,839	24	688,529	0.56	21
1966	12,031,375	2,662,558	5,317,432	9,621	8 5	2,406,275	0.41	21
1967	11,552,441	3,335,557	4,910,209	7,828	9	1,283,605	0.78	21
1968	11,025,482	3,571,862	4,918,353	6,682	Ĺ	2,756,370	0.36	16
1,00	1190279402	J, J/ I, 002	497109333	0,002	4	291009510	0.00	10

<sup>\*</sup> Included in total production.

No accurate record previous to 1870.
No accurate record previous to 1894.
No accurate record previous to 1932.
In 1955 and subsequent years the production, employes, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in this report.

# SUPERARY OF ANTHRACITE MINES, PRODUCTION AND FATALITIES BY DISTRICT 1968

Pro-			542,709					1,182,056	1,149,720	٠				,			٠		2,756,370
	Fa-		2				1	7	٦				-	-	1			1	7
	Total	Production	1,085,418	1,546,476	1,207,166	1,079,293	515,663	1,182,056	1,149,720	663,084	275,235	156,176	186,762	704,943	269,829	140,975	458,447	404,239	11,025,482
Bank	Mined	Production			,	٠	463,950	251,931	1,104,915	565,669	222,102	4,385	58,542	584,445	122,345	2,317	87,912	103,349	3,571,862
Strip	Mined	Production	1,085,418	1,546,476	1,207,166	1,079,293	٠	٠	٠					,			٠		4,918,353
Deep	Mined	Production *		,	,		51,713	930,125	144,805	97,415	53,133	151,791	128,220	120,498	147,484	138,658	370,535	300,890	2,535,267
No. of	-HE	ployes	432	685	729	340	671	1,047	969	279	130	212	221	501	291	191	294	267	6,682
Washery & Breaker	En-	ployes	16	,		,	324	106	459	118	27	82	88	281	89	43	77	63	1,774
No. of Bank	-WB	ployes				-	112	42	186	29	20	7	10	111	39	2	10	10	909
No. of N	Bn-	ployes F	917	685	729	340	,	1	,			1		1	,	,	,	,	1,897
No. of Deep	-8	ployes		,	,	1	235	899	22	102	98	126	113	109	163	116	213	194	2,406
No. of Non-	Gaseous	Mines				,			0	13	9	19	16	14	50	15	24	24	160
No. of	Gaseous	Mines			1		2	9	0	w	0	7	7	77	11	8	12	12	81,
Total	of Oper-	ations	₹	33	52	34	33	13	Ţ	27	21	28	25	31	17	18	07	38	510
No.	Jo	Banks		٠		1	56	7	2	0	9	0	0	13	10	Н	7	2	112
	Strip		377	31	22	35	,	1	1						,	,	1	-	154
4	Deep	*		,	,		3	,	9	6	6	16	12	6	15	8	19	25	131
No. of	Deep	Mines		1	1		7	9	11	18	15	26	23	18	31	17	36	36	200
Total	JO	Operators	10	89	23	8	33	10	39	58	25	2	35	36	43	21	39	ľή	177
		Inspector	T. M. Beaney	R. O. Schneider	J. R. Ruane	Walter Davis	W. A. Sanders	A. A. Joven	P. P. Hino	A. E. Hand	O. P. Callagher	Leon Brass	C. B. Kashner	J. J. Shober, Jr.	A. J. Latz	W. D. Maurer	F. C. O'Connor	C. E. Miller	Division Total
	Na-	trict		2	~	77	1	, 40	7	00	0	10	11	12	13	77	35	76	

Let be to see expension operating in one than one district, the actual total number of Anthrotta Operators is 35),
including Occaminate operating first patient.
Including Occaminate operating first patient.
Including Occaminate operating first patient.
In Seal Employees 15,050% same included in the local number of thesy thread from the Depthores in the Communication is included in heap fluid from the Depthores in 15,050% same included in the Depthores in the De

ANTHRACITE DIVISION PRODUCTION OF COAL, EMPLOYES AND FATALS BY COUNTY 1968

	Mi	Mines Employing Five or More Persons		Mines Employing Fewer Than Five Persons		Percentage	園	Employes by County	y County				
	Deep Mined	Strip Mined	Bank Mined	Deep Mined	Total	of Total	Large	Small			Washery	Ploy-	Total Fatal-
County	Production	Production	Production	Production	Production	Production	Deep	Deep	Strip	Bank	Breaker		ties
Carbon	24,421	299,844	200,535	8,957	533,757	11.812	17	00	113	1,3	17	198	,
Columbia	38,466	250,810	1,238	19,346	309,860	2,81%	97	27	108	-	1	188	
Dauphin			103,349	19,394	122,743	1.11%	1	59	1	97	38	77	
Lackawanna		353,764	201,773	2,922	558,459	5.06%	1	10	174	99	177	1/51	2
Lebanon		1					,	1	1	,		ı	ı
Luzerne	1,004,612	1,491,766	979,687	,	3,476,065	31,53%	1,136	1	561	154	515	2,366	2
Northumberland	244,060	548,954	801,900	85,288	1,680,202	15.24%	183	120	151	78	233	765	,
Schuylkill	660,706	1,936,056	1,273,791	180,702	4,297,648	38.98%	563	267	779	248	789	2,646	٠
Sullivan		37,159	1	1	37,159	0.34%	1	1	11	,	7	15	,
Susquehanna	1	1	9,589	ı	695'6	\$60.0	,	,	1	w	П	9	1
Wayne	-	-	-	1	1		1	1	,				'
Division Total	2,218,658	4,918,353	3,571,862	316,609	11,025,482	100,00% 1,945	1,945	1917	1,897	909	1,774	6,682	7
Percentage of Total Production	20,12%	44,61%	32.40%	2,87%	100,00%								

ANTHRACITE PRODUCTION (DEEP MINED, STRIPPING AND BANK), FATALITIES, PRODUCTION PER FATAL AND BAPLOYES
RETISTRICT
1968

Dis- trict	Inspector	Deep Mined	Stripping	Bank	Total Production	Fatal- ities Deep	Fatal- ities Strip	Fatal- ities Bank	Total Fatal- ities	Production Per Fatal	Total Employes
-	T. M. Beaney	,	1,085,118		1,085,418	•	2	•	2	542,709	1,32
0	R. O. Schneider		1,546,476		1,546,476	,	•	ı	1	. 1	685
. ~	J. R. Ruane		1,207,166	,	1,207,166	1	1	1	1		729
1-7	Walter Davis		1,079,293	,	1,079,293	,	1	1	1		370
. Tu	W. A. Sanders	51,713	•	463,950	515,663	,	,	1	1	,	671
.9	A. A. Joyce	930,125	,	251,931	1,182,056	П	,	1	٦	1,182,056	1,017
7	P. P. Hino	144,805		1,104,915	1,149,720	1	,	1	1	1,149,720	695
00	A. E. Hand	97,415		565,669	663,084	,	1	ı	ı		279
0	G. P. Gallagher	53,133		222,102	275,235	,	1	1	1		130
10	Leon Brass	151,791	,	4,385	156,176	,	1	1	1	٠	212
п	C. E. Kashner	128,220	,	58,542	186,762	١	1	1	1	,	221
12	J. J. Shober, Jr.	120,498		584,445	704,943	1	,	1	ı	,	501
13	A. J. Latz	147,484		122,345	269,829	1		1	1	,	291
77	W. D. Maurer	138,658	,	2,317	140,975	,	1	-	1		161
15	F. C. O'Connor	370,535	,	87,912	458,447	,	1	1	1		294
16	C. E. Miller	300,890		103,349	404,239		1	-			267
Division Total	Total	2,535,267	4,918,353	3,571,862	11,025,482	7	2	7	77	2,756,370	6,682

Production, How Shipped, Average Days Worked, Employes, Explosives Fatal and Non-fatal Accidents

By Inspection District - 1968

	Non- fatal	acci-	18	67	21	23	56	155	34	18	2	13	10	56	19	10	17	50	194
	Fatal	acci-	2	,	ı	4	4	П	٦	1	1	1	ı	,	1	ı	1		7
	,	Empl- oves	432	685	729	340	671	1,047	969	279	130	212	221	501	291	161	294	267	6,682
	4	Days	300	236	233	227	189	236	171	204	192	231	241	231	212	244	233	238	224
	Pounds	dynamite	295,376	12,114,645	10,524,196	7,500	1,950	15,700	2,975	9,400		850		4,300	12,150	250		4,300	22,993,592
Pounds	permiss- ible ex-	plosives	5,292,472	,		11,273,525	48,625	892,375	20,325	51,930	42,435	82,275	63,719	65,775	110,705	113,490	264,965	175,720	18,498,336
		Total :	1,085,418	1,546,476	1,207,166	1,079,293	515,663	1,182,056	1,149,720	663,084	275,235	156,176	186,762	704,943	269,829	140,975	458,447	404,239	11,025,482
Tons	Used at colliery	for steam and heat	1,697	6,778	1,549	535	1,217	520	1,896	229	989	167	394	643	429	7180	1,636	1,203	20,059
Production - Net	Sold	local	457,071	250,266	109,471	268,845	102,744	178,732	121,972	81,740	33,019	35,384	20,681	160,786	65,995	21,772	111,667	100,337	2,120,482
Δ.	lark	by : truck :	279,246	507,805	717,948	310,739	258,323	679,684	265,974	204,806	204,388	107,429	117,098	268,1444	156,518	92,188	247,996	260,514	4,679,100
	Shipped to	By	347,404	781,627	378,198	499,174	153,379	323,120	759,878	376,309	37,142	13,196	48,589	275,070	788,97	26,535	97,148	42,185	4,205,841
		trict :	7	2	~	7	w	9	7	8	6	10	11	12	13	14	15	16	Total

### ANTHRACITE DIVISION SMALL MINE REPORT - 1968\*

Dis- trict	Number of Small Mine Operators	Number of Small Mines	Number of Men Employed in Small Mines	Small Mine Production	Fatal Acci- dents	Non- fatal Acci- dents	Number of Man-Days
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	3	3	10	2,922	-	-	828
6	-	-	-	-	-	-	-
7	6	6	21	13,957	-	-	3,456
8	9	9	30	15,606	-	-	5,347
9	9	9	34	20,202	-	-	5,429
10	16	16	53	50,303	-	3	11,033
11	12	12	39	21,412	-	1	5,772
12	9	9	31	17,113	-	-	8,068
13	15	15	82	26,523	-	-	8,515
14	8	8	214	22,016	-	-	4,824
15	17	19	57	54,325	-	1	9,183
_16	25	25	80	72,230		-	14,539
Total	129	131	461	316,609	-	5	76,994

<sup>\*</sup> All figures included in report of Summary of Anthracite Mines, Production and Fatalities By District.

## ANTHRACITE DIVISION

		Mechanical Loading	Loading			Electri	Electric Motors	Pumps	Pumps Delivering Water to Surface
Dis- trict	: Number of Scrapers, : Conveyors or : Shaker Chutes	Number of Under- cutting or Mining Machines	Number of Loading Machines	Number of Tons Produced by Mechanical Loading	Number of Employes en- gaged in this class of work	Total Number	Total Horse-	Total Number	Number of Gallons delivered per day of 24 hours
1	,	•		,	1	56	859	2	14,400,000
CV	1	1	,	1	1	1	1	1	
~	1	1		1	1	1	,	,	1
7	1	,	1	1		77	2,050	77	7,624,964
N	17	1	1	38,019	32	86	33,149	П	720,000
9	161	1	v	930,125	421	377	18,201	12	17,277,837
7	9	,	,	34,136	23	825	25,173	10	14,146,178
80	9	1	2	547,979	99	192	5,797	9	5,966,000
0	9		6	226,362	27	72	2,635	٦	720,000
10	18		~	63,422	617	131	7,876	27	247,100
17	Ø	1	,	6,686	24	327	5,217	59	2,038,110
12	00	1	2	11,163	20	717	19,366	7	96,000
13	26	1	10	94,249	02	346	4,782	19	821,000
77	77		,	79,887	75	199	4,182	21	1,871,500
15	13	1	2	125,766	38	318	10,703	53	2,026,150
16	14		8	142,543	25	289	4,461	56	529, 350
Total	287	•	917	2,330,337	829	3,906	141,751	218	68,784,189
-	The same of the sa								

## SUMMARY OF EMPLOYES BY DISTRICT ANTHRACITE DIVISION--1968

	: GRAND TOTAL : Inside & Outside	432	685	1,56	340	671	1.047	695	279	130	212	221	501	291	161	294	267	6,682
	Total Outside	4,32	685	772	370	613	353	929	200	65	118	136	422	166	77	121	119	4,956
	All Other	384	296	427	307	247	229	178	73	24	29	36	128	20	27	147	50	2,852
	Breaker	16		1	1	324	106	459	118	24	82	98	281	89	43	71	63	1,774
	Office	80	59	П	2	10	9	9	7	9	Т	1	m	1	1	)	-	73
	Super- intendents	24	9	28	31	32	12	13	80	11	9	2	10	7	7	~	9	257
-																		
-																		
	Total	1	1	1	1	58	769	39	79	65	76	85	42	125	87	173	1/18	1,726
ES	All Other	٠	•	•	1	2	183	٦	2	2	ν.	2	9	7	10	28	7	249
INSTIDE EMPLOYES	Miners	1	•	•	,	56	283	w	16	11	13	6	7	29	77	7	15	756
H	Miners	1	1	1	1	50	191	20	39	33	78	67	97	19	70	104	85	738
	Mine Foreman	1	,	1	1	10	37	13	19	19	28	25	21	31	23	07	147	313
	Dis- :	ı	2	~	77	W	9	7	8	0	10	7	12	13	177	15	16	Total

### ANTHRACITE DIVISION

### OPERATORS PRODUCING 50,000 OR MORE TONS

### 1968

Dis- trict	Operator	Production
1-2-3-5-		
7-8-12-15	Lehigh Valley Anthracite, Inc.	1,139,232
3-4-7-11-12	Reading Anthracite Co.	1,136,828
1-5-6	Blue Coal Corporation	861,744
1-6	Glen-Nan Coal Co., Inc.	677,274
8-9-16	Gangloff Brothers	648,984
2-7	Jeddo-Highland Coal Co.	631,733
2	Greenwood Stripping Corporation	612,858
2 3 1 6	Kerris & Helfrick, Inc.	270,329
1	Carbondale Coal Co., Inc.	231,185
6	Ken Pollock, Inc.	210,848
7	B-D Mining Co.	199,999
12-15	Manbeck Dredging Co., Inc.	170,300
2-7	George Huss	166,610
5-7	George Racho	139,224
8	State Coal Co., Inc.	122,970
12	Correale Construction Co.	115,425
4-15-16	Kocher Coal Co., Leon E.	115,114
2-7	Honeybrook Mines, Inc.	104,828
4-13	Schuylkill Contracting Co.	94,478
3-7	Capparell Stripping & Construction Co.	92,606
5	Popple Coal Sales Co., Raymond	92,101
7-9-12	Phoenix Contracting Co.	84,573
12	William Schickram	81,999
12	Mar Strip & Excavating Co.	76,870
11-15	Bush Coal Co.	66,923
2-7	Gowen Coal Co.	60,943
3	Rosini Coal Co.	59,625
3 7 14	Coleby Coal Co., Inc.	58,173
14	Mercury Coal Co., Inc.	55,906
4-13	Swatara Coal Co.	54,448
1	Northwest Mining Co.	54,011

## PRODUCTION AND ACCIDENT RECORD FOR OPERATORS HAVING A FATALITY

The supplies				Total		Fatalities	.63		Non-	Production	
opel a co	Deep Mined	Stripping	Bank	Production	Deep	Strip	Bank	Total	Fatals	Per Fatal	Employes
		1		lac es/	,			r	-0	100 007	1.00
Glen-Nan Coal Co., Inc.	663,099	14,175	1	7/2/1/0	-			-1	To	7126110	422
Jeddo-Hehland Coal Co.		1,96,209	135,524	631,733	1	ı	٦	٦	15	631,733	31
Carbondale Coal Co Inc.		231,185		231,185	1	٦	•	٦	9	231,185	128
Northwest Mining Co., Inc.		54,011	1	54,011	1	Н	1	п	1	54,011	38
Total production for operators with a fatality	663*066	795,580	135,524	1,594,203	ч	C)	г	7	102	398,550	655
Total production for operators	875 7 F	855 25,1 5 577 CCT .1	3 1,36 338	9.1,37.279				•	359		6.030
WI WIDER & TACALLY	71017	49 454 9 1 1 7	200120000	(1262/26)							
Mydsion Total	2,535,267	4,918,353 3,571,862	3,571,862	11,025,482	٦	~	٦	7	197	2,756,370	6,682

CAUSES OF ANTHRACITE FATAL ACCIDENTS, BY COUNTY -- 1968

Percentage of	25,00%	25.00%	50.00%		24.00.R		22°00%	50.00%	100.00%	
LatoT	ч	1	2		F	-1 1	4	5	77	100.00%
мауле										
Susquehanna		1							•	1
nsvillu2			1					i	1	1
Schuylkill	1	,	1					1		1
Northumberland	,						1	٠	•	1
		_				Н	1	П	2	\$00.00%
Lebanon			'			1	1	1	•	1
Гаскамаппа	-	4				ı	1	Н	2	50.00%
Dauphin		•				1	1	1		1
sidmulol		ı				1		1	1	'
Carbon		e or Sides -				•	-	1	1	
	INSIDE	Falls of Roof, Face or Sides -	Machinery Total Inside		OUTSIDE	Transportation	Stripping	Total Outside	GRAND TOTAL	Percentage of total accidents

## ANTHRACITE FATAL ACCIDENT VICTINS -- 1968

					Pate of	
Ne	Name of Victim	Victim's Address	Company	Mine	Accident	Cause of Accident
D	ominic DeFrancisco	Tresckow		Highland No. 5	Feb. 1	Cars (Ontside)
更	filton Zimmerman	Edwardsville		Glen Lyon No. 3	May 10	Fall of Roof
芝	ichael Kovalik	Richmondale	Carbondale Coal Co.	Mine Fire Stripping	Nov. 5	Machinery (Inside)
ы	ouis Gosek	Peckville	Northwest Mining Co., Inc.	Cleaning Plant Edgerton Strip		Stripping

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1968

Number Killed	110	8202000	vnn-5	J 0 % 0 0 5 N N	,0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ings 13 7 12 10 10 15
Cause of Accident	Explosion of gas Mine Fire Boiler explosion Cage fell down shaft Car fell down alope	from burning breaker Explosion of gas	Explosion of gas Explosion of gas Explosion of gas Wine Fire Fall of roof Suffocated by gas from	Content in the content of the conten	Car fell on cage in shaft Explosion of gas Explosion of gas Explosion of gas Explosion of gas	Drowned-water from old workings Suffocated by gas Explosion of gas Drowned-water from old workings Explosion of gas
Location of Colliery	Pottsville Plymouth Locust Dale Middleport Girardville	Branch Dale Shamokin Wadesville Locust Bale Audemried	rall Creek Shamokin Shamokin Shamokin Raven Run Mocanaqua	Plymouth Nanticoke Scranton Scranton Scranton Wilkes-Barre Ashland R & M ne Run	Middleport Plymouth Wilkes-Barre Narticoke	Jeanesville Glen Carbon Nanticoke Minersville Pottsville
Compary	Spencer Coal Co. Delaware, Lackawarna & Western Railroad Co. Locust Dale Coal Co. Heins & Classafire Preston Coal & Improvement Co. Takhah Vallar Parlamad Co.	Cain, Hacker & Cook.  Langdon & Co., R.  Wadesville Shaft Collery Philadalphia & Reading Coal & Iron Co.  Lehigh & Wilker-Barre Coal Co.	in a mining a light of the control o	D. & H. Cotal Co. Sugareharia Cotal Co. Fair Lawn Cotal Co. D. & H. Cotal Co. D. & H. Cotal Co. Philadelphia & Reading Cotal & Iron Co. Philadelphia & Reading Cotal & Iron Co. Philadelphia & Reading Cotal & Iron Co.	I. C. & M. Co. Links Barre Coal Co. Lehtgh & Walkes-Barre Coal Co. Lehtgh & Walkes-Barre Coal Co. Susyueham Coal Co. Lehtgh & Walkes-Barre Coal Co. Lehtgh & Walkes-Barre Coal Co.	Spring Nountain Coal Co. Philadelphia & Reading Coal & Iron Co. Susquenama Coal Co. Lytic Coal Co. Latign Valley Coal Co.
Colliery	Spencer Avondale Potts Heins & Glassmire Preston #3 Mast Different	Otto Red Ash Henry Clay Wadesville Potts Audemried	rnii Creek Iykens Valley Kohnoor Buck Ridge Cuyler West End	Plymouth No. 2 Marticoke No. 1 Fair Lawn Maryine Conyngham Tunnel Rast	Kaska, William Nottingham S. Wilkes-Barre No. 3 Susqueharna No. 4 Jersey No. 8	Spring Mountain No. 1 Richardson Susquehanna No. 1 Lytle York Farm
Date	Feb. 6 Sep. 6 Mar. 22 Aug. 10 Aug. 29		May 24 May 24 Aug. 21 Apr. 6 Aug. 11	Oct. 21 Dec. 18 Aug. 30 Sep. 13 Nov. 26 Apr. 27	May 9 Feb. 1 Apr. 2 May 15	Feb. 4 Oct. 23 Nov. 8 Apr. 20 July 23
Year	1847	1873 1877 1878 1878	1880 1882 1884 1885	1886	1889	1891

# ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1968

	200	COLLIERY	Company	of Colliery	Cause of Accident Killed
1893		Netlson	Langdon & Co., Inc., A. L.	Shamokdn	Mine fire
	July 22	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas
		Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas
1897		Gaylord	Kingston Coal Co.	Plymouth	Fall of roof
	July 17	East Sugar Loaf	Linderman & Skeer	Stockton	Explosion of powder & dynamite
		Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Mine fire
	Oct. 11	Henry Clay	Philadelphia & Reading Coal & Iron Co.	Shamokin	Boiler explosion
	Feb. 18	West Bear Ridge	Philadelphia & Reading Coal & Iron Co.	Mahanoy Plane	Explosion of gas
	Oct. 7	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas
1896	June 28	Twin	Newton Coal Co.	Pittston	Fail of roof
	Oct. 29	S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas
1897	Jan. 13	Wadesville	Philadelphia & Reading Coal & Iron Co.	Wadesville	Crosshead fell down shaft
	Sep. 28	Jermyn No. 1	Jermyn & Co.	Rendham	Mine fire
		Von Storch	D. & H. Coal Co.	Scranton	Mine fire
	May 26	Kaska, William	Dodgon Coal Co.	Middleport	Drowned-water from old workings
		Midvale	Lehigh Valley Coal Co.	Wilkes-Barre	Mine fire
		Exeter	Lehigh Valley Coal Co.	West Pittston	Car fell on cage in shaft
0067	Nov. 9	Buck Mountain	Mill Creek Coal Co.	Mahanoy City	Explosion of gas
	Oct. 25	Buttorwood	Parrish Coal Co.	Plymouth	Explosion of gas
	Nov. 29	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas
	Dec. 9	S. Wilkes-Barre	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of powder & dynamite
	Jan. 30	Maple Hill	Philadelphia & Reading Coal & Iron Co.	Mahanoy City	Explosion of powder & dynamite
	May 5	Lance	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of powder & dynamite
	May 5	Locust Gap	Philadelphia & Reading Coal & Iron Co.	Locust Gap	Mine filre
	May 25	Williamstown	Summit Branch Mining Co.	Williamstown	Suffocated by gas from
					mine locomotive
		Auchincloss	Delaware, Lackawanna & Western Railroad Co.	Nanticoke	Falling down shaft
1905	Feb. 18	lytle	Lytle Coal Co.	Minersville	Fall of roof
	Mar. 9	Clear Spring	Clear Spring Coal Co.	West Pittston	Falling down shaft
	Apr. 26	Conyngham	D. & H. Coal Co.	Wilkes-Barre	Falling down shaft
9067	May 15	Shenandoah City	Philadelphia & Reading Coal & Iron Co.	Shenandoah	Explosion of powder & dynamite
		Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas
	Mar. 2	Holden	Delaware, Lackawanna & Western Railroad Co.	Taylor	Explosion of gas
1908	June 18	Johnson No. 1	Scranton Coal Co.	Priceburg	Explosion of gas
	May 12	Mount Lookout	Temple Iron Co.	Wyoming	Explosion of gas
		Prospect	Lehigh Valley Coal Co.	Midvale	Fall of roof
	July 15	Williamstown	Summit Branch Mining Co.	Williamstown	Explosion of nowder & dynamite
	000	The same of some Party			comment of the second s

Date	Colliery	Сопрапу	Location of Colliery	Cause of Accident	Number Kille
Mar. 2	Pennsylvania No. 14	Pennsylvarda Coal Co.	Pittston	Explosion of gas	
Nov. 9	Auchincloss	Glen Alden Coal Co.	Nanticoke	Mine Fire	
		Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	
Mar. 12	S. Wilkes-Barre No. 5	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	
Apr. 7	Pancoast	Price-Pancoast Coal Co.	Throop	Mine fire	
May 10	Plymouth No. 5	Delaware & Hudson Co.	Dorrancetown	Suffocated by gas from under-	
				ground fire	
	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	
Sep. 12	Marvine	Delaware & Hudson Co.	Scranton	Mine cars	
Oct. 3	Drifton No. 2	Coxe Bros. Co., Inc.	Freeland	Cave-in	
Jan. 9	Parrish	Parrish Coal Co.	Plymouth	Explosion of gas	
	East Brookside	Philadelphia & Reading Coal & Iron Co.	Tower City	Explosion of gas	
May 29	Maryd	Maryd Coal Co.	Maryd	Overwinding of cage	
Sep. 16	Lehigh No. 4	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	
Dec. 9	Diamond	Delaware, Lackawanna & Western Railroad Co.	Scranton	Falling down shaft	
1	Prospect	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	
Feb. 8	Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	
Mar. 9	Hollenback No. 2	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	
	Woodward	Delaware, Lackawanna & Western Railroad Co.	Edwardsville	Explosion of gas	
	Baltimore Turnel	Hudson Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	0
July 8	Lansford	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	
Mar. 9	Rahn	Lehigh Coal & Navigation Co.	Seek	Explosion of gas	
	Eddy Creek	Hudson Coal Co.	Scranton	Premature blast	
Feb. 21	Alliance	Alliance Coal Mining Co.	Middleport	Explosion of gas	
	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	
	Mount Jessup No. 2	Mount Jessup Coal Co.	Jessup	Fall of roof	
	Loomis	Glen Alden Coal Co.	Nanticoke	Explosion of gas	
CO	Woodward	Glen Alden Coal Co.	Edwardsville	Explosion of gas	
Aug. 3	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	
	Randolph	So. Penn Collieries Co.	Port Carbon	Explosion of gas	
	Pettebone	Glen Alden Coal Co.	Kingston	Explosion of gas	
Oct. 30	Susqueharma No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	
May 26	Woodward	Glen Alden Coal Co.	Edwardsville	Fall of roof, followed	
				by an explosion of gas	
CO	Baltimore No. 5	Hudson Coal Co.	Wilkes-Barre	Explosion of gas	
Aug. 8	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Fall of roof	
May 29	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	
	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Explosion of gas	-
Hay /	S. Wilkes-Barre	Glen Alden Coal Co.	Wilkes-Barre	Piece of rock fell down	
				shait, struck cage	

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ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1968

Number Gilled	~~84×8~~ ~3
Cause of Accident	Explosion of gas feptosion of gas feptos
Location of Colliery	West Pittston St. Clair Pittston Twp. Minersville Wildes-Barre Wildes-Barre Hanover Twp. Forrestville Port Griffith
Company	Sullivan Trail Coal Co. St. Clair Coal Co. W. & S. Coal Co. M. & S. Coal Co. Gan Aiden Coal Co. Glon Aiden Coal Co. Leikh Walley Coal Co. Leikh Walley Coal Co. Cano & Martin, Inc. Knox Coal Co.
Colliery	Clear Spring St. Clair Volpe Primros Pringam Schooley Pranklin Pringamin
Date	Aug. 24 Apr. 27 June 2 Sep. 24 Jan. 15 Apr. 10 Dec. 11 Mar. 29 Mar. 27 Jan. 22

### ANTHRACITE DIVISION

### COUNTY--DISTRICT CROSS REFERENCE LIST

### 1968

County	Mine Inspection District
Carbon	2, 7, 12
Columbia	2, 3, 8, 9
Dauphin	16
Lackawanna	1, 5
Lebanon	
Luzerne	1, 2, 5, 6, 7
Northumberland	3, 8, 9, 10, 11
Schuylkill	2, 3, 4, 7, 8, 9, 12, 13, 14, 15, 16
Sullivan	1
Susquehanna	5
Wayne	

MOTSTON	R7 577 1.1.5	68, 776, 550	50 115 387	10,501	0 000 000	47,000,000	20, (70, 721	51,359,111	54,264,016	51,700,296	116.269.511	51,399,707	526.15	53.912.177	57,030,620	60,511,730	61, 112, 589	55,901,235	017.879.19	58 227 985	59.108.810	8 LL 0 LZ 1.1	1,6 330 355	10,000,000	42,389,055	40,067,130	30,495,391	26,612,312	25,934,792	28,175,633	25,163,466	20,456,475	19,670,615	17,721,113	16,506,612	16,196,315	17.111.202	16,524,687	718,000,11	12,031,375	11,552,111	11,025,482
LA VINTE	1.5 750	122.981	147 406	901 161	0 0 0	200, 200	200,390	159,010	716,861	102,858	10,975	2,602	120.6	10,01	1,7,21,8	3.1.81	10,903	*	*						1		1	1	,	6,361	. 1	27,683	5,107	1,568	1,318	589	8.007	1,499	103	1		
STICOTTE	665,000	90, 19	181, 773	07.51	7.000	720 021	179,230	OTO OTZ	19,169	15,339	7.030	191,791	86.11,9	21.686	62,761	73,037	16.216	66,1152	123.908	11.2.1.15	138.327	167 1.67	72,127	20,740	21,002		1	1	1	1	1	1,680		629	1,645	9,512	1	1	2,305	1,137	369	9,589
TITTIVEN	271, 773	120.19	75,51,0	70.79	וטר אטר	100,000	070,001	1/7,134	213,847	99,879	1,9,383	36,681	50,811	19,179	10,113	101,977	11,7,756	187,007	105,862	16.785	63.230	22 585	200,000	00000	20, 762	24,055	18,085	20,238	9,625	5,715	6,841	15,174	8,052	13,828	16,534	10,786	8,729	15,081	23.096	20,171	34,766	37,159
SCHINITALL	666	100	765	200	- 0	077	200	1)	977	545	a 916	4 6L	175 c	153 d	62 6	92 £	9 165	289 h	300	888	317	10	103 7	4	m 6/0	572 n	380 0	575	260 p	102 q	317 r	339 s	)81 t	n 910	4ηης	12 W	130 x	19 y	2	32 88	992 bb	4,297,648
MATHEMEN	7 207 553	6,719,282	5 728 763	1,679,188	100 000	7 102 104	2, 101, 112	2,40%,270	5,208,201	4,604,212	1,090,787	1, 815, 235	1,199,161	1,931,077	5, 295, 913	5,463,150	5, 71,3, 1,1,1	5.001.063	6, 31,2, 793	6,779,50	6,937,310	200.100	200,490	7,000	2, (49,907	5,326,146	4,247,561	3,283,315	2,749,383	3,524,853	3,415,614	2,600,831	2,551,604	2, 414, 599	2,004,278	1,702,891	2,082,968	2,267,083	7, 600, 886	41,131,14	1,417,420	1,680,202
THERME	11.77.150	27.1.56.102	23 766 625	19,327,982	ביון ניסט טב	17,001,441	21,430,372	001,650,12	21,315,049	22,487,109	20,365,737	23.377.666	22,672,016	24, 316, 481	25, 767, 31,3	24,082,663	210.018.1/2	21.073.255	22,770,658	090,060,12	591.81.6	15 080 AL	722 011 21	1000 12	14,882,432	13,774,952	10,201,927	10,675,181	9,921,275	9,762,753	8,389,265	6,774,033	6,172,748	5,380,696	5,307,953	6,090,572	6,112,375	5,649,906	5, 316, 676	1,178,217	4,192,283	3,476,065
TACKSTON SPINS	20.392 1.00	15,312,853	12,768,631	720,055	טייר ייייי יייייייייייייייייייייייייייי	000,000,000	12,440,000	10,436,254	11,154,691	9,117,509	8.439.828	9,198,552	9.259.163	8,973,827	9.31.1.388	9.119.617	9.1.27.1.67	8.083.021	9,058,331	8.538.161	8,610,881	6 221 71.3	6 526 1.66	000000000000000000000000000000000000000	2,77,808	5, 303, 545	3,555,642	2,903,470	2,594,928	3,232,566	2,680,409	2,094,170	2,147,827	1,853,008	1,194,971	1.079.459	964,175	879,898	660, 558	501,187	431,073	558,459
PA HERTIN	B.10 FTF F	867.363	756 271	673.078	270 073	700,000	03T,035	247,40	400,758	484,403	1,25,871	1,76,960	505,558	31,5,51,5	57,1,79	229,826	299,31,9	292,662	008, 1,11	28.737	10,25	61 280	52 27K	70,00	30,133	202	21,811	52,281	212,239	254,495	195,499	123,861	142,720	129,002	108,542	110,384	230,321	237,555	196.1.95	167,568	162,213	122,743
COTTINETA	1 Old 1991	685,253	865 1.21	1.07 966	777	VCC 0000	917,520	054,003	1,546,144	1,251,044	1.157.913	961, 31,6	1.026,366	1.067,1.73	998.12)	861,015	1,17,91,1	1,121,228	1,1,57,751,1	1,507,881	7.679,195	1 380 739	281 807 L	- COL 100 64	965,177	760,695	745,649	568,733	639,990	841,201	850,479	888,009	692,224	474,234	464,421	411,185	445,749	910,704	1,16,272	299,622	507,236	309,860
MARKA	S AGI, ROO	7 751, 731,	1 886 ORI.	L 821 911	77/677/67	T, 010, 409	0,00,000,5	T, (03,010	1,873,797	2,076,398	17.7.77	5,51,16,6	2,175,31,8	1,17,101,2	2, 796, 798	3,150,839	3.611.877	3,31,5,258	3.166.205	2 933 809	2,801,893	0 106 ARO	7 LE 880 L	1000 t	1,894,035	1,899,297	1,561,836	1,272,419	1,749,692	1,746,287	1,107,042	623,195	518,252	519,583	579,106	497,925	727,445	551,142	1111.826	507,721	545,089	533,757
OKAN	1001	1030	1031	1030	1000	1777	1934	1935	1936	1937	1938	1939	0,191	19/1	2/61	1943	19/1/	1975	9,161	7,191	191.8	0.101	1050	25	1951	1952	1953	1954	1955 #	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968

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DIVISION	162,503	151,171	138 1,00	110,500	200,000	102,409	106,251	100.539	100	77, 104	99,117	97.021	03 352	0000	20,000	88,849	83,707	79,369	78, 11,5	100	(0,205	80,556	80,730	80,390	2000	17, 23,	(5,231	70,357	66,438	56,952	1,1,731	37 307	7000	20,069	34,101	26,738	24,112	20,269	16,971	107.16	11, 323	12 581	17,004	11,039	9,021	0706)	200,0
WAYNE	66	27),	31.0	202	- 62	2T0	509	225	3,5	677	69	20	20	77	11	TP	773	alc	*	: :	*	*	*	*		ķ :	¢	*	1	•			a	Э	1	18	7	10	9	9	-	ļ	Λ. Γ	٦.	m		
SUSOUE.	1,178	1,57	25,	12	474	503	200	1,03	100	17	158	175	235	7 -	Chr	3.	38	179	*	: (	53	디	23	13	<del>-</del>	770	2	6	,							~	1	7	· (~	. ~	J		1 (	<b>~1</b>	Λì	ν,	0
SULLIVAN	708	587	788	203	2 5	0T)	210	206	2,7	TTO.	775	290	2,5	187	For	7777	107	161	רוכ	1 0	20.0	181	127	oll	100	104	TOT	19	63	61	106	000	3 6	- 0		52	22	21	16	13	3 2	3 5	17	7	1,15	T,	T
SCHOYLKILL	37.672	33,082	25,651,	2021	27,120	2T,54/	21,062	19.697	01000	17,139	19,002	18,065 a	d .lol. hr	2 4/4/4	10,039 6	lo,olb d	16,945 e	18,052 f	18,727 0	10 TO TO TO	19,127 h	20,613	20,302	20,523 4	2000	20,047	19,450 K	18,159 m	17,937 n	15,116 0	7,17,71	TO 103	7 70 0	p 000 %	7,544 r	8,512 s	7,923 t	6,928 u	5,998 ₩	7, 738 w	7,77	1. 833 m	1 260 4	4,505 2	3,437 aa	2,092 bb	2,040
NORTHUMBD.	17.660	11,35	965 11	18000	10000	7,980	8,161	7.757	- 10	(2006)	7,489	7,473	7,637	2000	1,000	0,615	967,9	6,1,85	601.9	ו (מנים ביות ביות ביות ביות ביות ביות ביות ביות	2,877	6,124	6,636	16,50	000	6,00	2,052	5,583	5,538	676.7	060-1	1,380	00/64	2,009	5,239	3,022	2,857	2,817	2,689	2,115	100	4 C	1,9740	1,047	1,312	000	705
LUZERNE	63,308	411,19	40 22K	50.03	100	044,440	46,737	1.3, 701	1.1.	44,474	45,755	45,731	1,3 31,1	1.0 008	47,670	43,720	39,219	35,807	33,660	000	32,888	34,526	33,869	31, 282	0.00	35,040	33,1/O	30,596	28,512	23.971	17,202	11, 300	3 2 3	2,50	12,442	3,642	8,397	6,002	5,126	1, 558	1, 626	1, 0,00	4,000	4, TO/	3,428	3,04L	2,366
LACKAWANNA	35.816	36,317	33 707	20,700	27,000	21,375	22,954	20,889	700,01	13,61	19,188	17.818	17,875	7 8 9 7	TO, CO	14,974	14,388	13.06	10,311	112/44	11,400	12,010	12,381	12,222	בטילוד	11, 702	11,005	017,01	9,717	8,196	7.07	1,00	1, 1, 1, 1,	4,412	4,309	3,448	3,235	2,937	2,167	1,523	1,020	וליוני	T) T6T	776	, 915	4(2	421
DAUPHTN	2.043	2,016	٦, 766	1,657	-100	T,205	1,126	21.01	1 0 0	000	877	918	100	100	0 10	28.	223	130	٥١٦	1	T95	300	152	19	d c	000	125	153	07	77	72	203	3 6	012	191	167	208	208	201	223	187	188	O T	127	711	R	-
COLUMBTA	2.213	7.757	1 200	1,000	- //-	T,009	876	1.32/	40761	L,03/	1,871	1.951	1 01.3	1 661.	poof T	T,489	1,486	1,316	ררק. ר	1000	1,954	2,162	2,319	1,963	260	1, 700	T, (05	1,496	1,352	1,298	957	וכנו	1000	1,104	1,14,5	1,064	853	583	917	387	366	0.12	280	001	158	0472	188
CARBON	11.776	916.1	1, 160	2,420	0,000	3,392	4,344	1,935	1,5	2,01 (	4,282	1,713	1, 686	1. 276	4,010	044,4	4.433	11.337	0,0	1000	4,588	7.599	1,891	1, 637	1,00	4,420	5, (39	3,872	3,279	2,987	2,183	2010	- 600	2,032	7,092	837	613	759	3776	339	387	221.	200	3 6	231	1722	198
YEAR	1921,	1930	1031	1000	17.75	1933	1934	1935	7000	TA30	1937	1938	1030	0.101	1740	1941	1942	19/13	101,1	1100	1945	1946	1947	191.8	0.101	1747	17.70	1951	1952	1953	1951	1055 #	11000	252	1757	1958	1959	1960	1961	1962	1963	Joel.	1065	1700	1900	1907	1300

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COUNTIES
BY
ANTHRACITE,
OF-
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DIVISION	14,050,141	31,0(2,002	24,959,113	19,173,874	18,301,721	21,842,955	18.814.287	19,151,957	18 1.03 371.	TO 1000 7E	10,505,404	17,225,261	16,979,821	17,676,304	20,565,137	21,1,00,826	22,809,700	20,229,1,81,	21 1.1.7 020	20, 200 00	22,372,531	77,234,004	16,362,473	17,600,000	15,715,000	13,995,768	10,169,884	7,691,416	6,709,836	7,305,590	6,185,180	4,870,145	4,157,984	3,638,309	3,321,787	2,992,31,2	3,090,999	2 930 607	2 25K Ral.	1 808 1 CR	1,020,130	1 1.00 602	- 100 ( / h f +
WAYNE	20,205	43,450	67,048	31,228	64,680	56,430	14,585	39,196	11.60	2,000	3,626	2,735	2,414	2,544	9,432	ak	ak:	*		k 2	¢c :	ok	*	alc	ı	ı	1	1	ı	5144	,	3,618	536	006	969	2)16	2.576	310	360	250	2		
SUSQUE.	350,847	26, (4)	100,001	25,763	38,976	53,800	87,390	1,275	13 61.8	7,040	2,270	43,656	20,590	5,708	8,066	3,276	*	5.05),	מיני אר	TO, 223	2,02	10, 104	16,320	30,131	2,250	. '	1	1	1	1	1	009	1	340	363	368	8 1		9	900	188	1.68	3
SULLIVAN	85,557	20,404	38,404	67,632	54,129	88,891	85,202	127,098	50 GO	200	TOC, 02	21,382	24,683	27,035	21,884	39,286	59,589	53.892	20000	066,66	63,633	50,335	12,760	14,265	13,652	12,970	8,875	5,849	1,953	2,142	1,820	4,286	2,950	4,500	4,176	2,150	1,730	1,621	2,663	100,0	3 71,0	2 762	73100
SCHUYLKILL	10,214,942	0,402,970	4,748,290	3,516,543	3,601,752	4,097,456	3.570.398	3,598,172	3 1.06 363	000,000	3,039,100 a	2,888,408 b	3,067,419 c	3,260,577 d	3.972,274 €	1,659,538 F	₹ 125,620 ₽	1, 783, 602 h	130,000	7,417,705	7,07,07,	5,130,772 1	4,338,959 3	5,035,437 k	4,340,356 m	3,790,865 n	2,676,234 0	2,264,934	1,768,767 p	2,009,587 q	1,803,776	1,574,124 s	1,382,621 t	1,151,822 u	1,149,644 v	™ 897.701. I	1,100,426 x	1 000 087 ×	817,570,5	652 550	61 1087 LTA	CO3 67E	27.2017
NORTHUMBD.	7,008,190	3,010,032	2,100,810	1,822,717	1,681,984	1,958,718	1,724,406	1,606,329	7 30E L	ביסר ארכ ר	1,510, (U/	1,483,189	1,328,685	1,479,290	1,535,314	1.680.211	7,681,792	L 876, 281	201027	1,216,411	L, (70,033	1, (25, 123	1,405,854	1,961,803	1,693,285	1,149,720	880,576	948,934	519,882	666,321	670,183	558,029	535,469	486,175	408,027	390, 861	L32,18L	1.08 207	202,201	222 221.	103 RA	172 CEO	TICOLO
IA LUZERNE	17,094,203	14,970,005	10,359,468	7,724,183	7,539,709	8,991,190	7.899.403	8.048.873	8 K80 11 K	2,600,000	1,099,341	8,234,943	7,959,512	8,586,535	10,163,813	9,902,178	10,246,301	0 007 593	200000	7,277,132	7,002,441	9,04T,708	6,578,335	6,642,519	6,110,011	5,989,000	4,483,055	3,085,312	3,015,005	2,982,331	2,364,390	1,812,300	1,370,903	1,274,306	1,139,925	997.91,3	1.098,611	1,050 1	RES 831	700,200	675 277	1750 20B	250,270
LACKAWANNA	9,879,932 17,	1,009,324	6,288,064	5,011,732	4,462,932	5,384,563	1, 301,651	1, 1, 39, 859	2 EKI. 760	7,204,107	3, TOZ, 059	3,225,238	3,288,238	3,063,605	3.462.164	3,571,795	3, 703, 717	3 075 875	101 000	3,300,324	3,306,370	3,409,300	2,618,620	2,541,870	2,420,001	2,041,500	1,397,249	839,153	842,613	983,114	825,397	555,748	602,415	531,703	438,525	200,172	259,189	250 31.7	166 990	107 826	04,020	716,00	TOPPOT
DAUPHIN	566,352	3/1, /94	349,013	276,268	244,098	248,595	195,668	11.1.98	266 761	1000	175,940	185,320	176,868	129,826	21,313	37,310	1,6,1,88	40 878 70 878	2000	0 0 0 0	2,0(3	12,152	9,553	24,361	27,540	10,857	9,945	15,110	31,643	45,290	39,381	32,798	32,264	33,350	32,200	33,008	38,158	37 550	07 071.	21,014	17,707	00T 6 1 T	T2, 100
COLUMBIA	1,98,917	55(,535	230,208	160,091	157.495	206,878	178,122	367, 1,71,	208 206	010,150	312,549	318,779	322,265	274,325	31.9.21	351,130	500 067	100 380	706,300	200, 100	050,500	319,830	511,400	526,441	369,305	301,122	21,22	164,373	152,351	202,062	213,100	181,801	142,597	77,423	69,179	61, 902	55,766	101,000	0 C C LY	37 1.88	61, 373	20 606	27,000
CARBON	1,325,996	730,578	730,607	537,711	1,55,966	756,1131	727.1.62	781.883	705 560	200,000	(83,400	821,611	789,147	876,859	1.021,633	201.951.1	961 9111 1	1 213 020	1,000,000	1,203,290	1,320,100	1,259,080	870,672	823,173	738,600	699,734	502,738	367,751	377,622	474,199	267,133	146,841	88,229	77,790	79,052	79, 482	102,359	68 057	35,50	100 c.l	1,5 337	40,00	DC, uc.
YEAR	1924	1930	1931	1932	1933	1937	1935	9261	2001	1727	1938	1939	1940	1977	19/2	191,3	1011	101.5	7101	1940	1947	1948	1949	1950	1951	1952	1953	1957	1955 #	1956	1957	1958	1959	1960	1961	2961	1963	1961	1065	1066	1967	1068	7
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FORTY YEAR STUDY OF ANTHRACITE, BY COUNTIES #

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33.35 E.75 E.85 E.85 E.85 E.85 E.85 E.85 E.85 E.8	264 204 186 202 265
######################################	1963 1965 1966 1967 1968

Average days worked FORTY YEAR STUDY OF ANTHRACITE, BY COUNTIES #

MOISIAN	767	777	387	243	232	260	267	241	212	223	012	182	189	225	218	171	138	169	166	131	92	98	76	92	29	47	9 i	54	77	표:	97	35	19	56	30	772	o u	0	4	
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INUPPLIN 175,473 173,473 173,473 189,135 189,135 189,135 189,136 189,171 172,773 172,773 172,773 173,773 173,773 174,773 175,773 176,773 177,773 177,773	195,499
COLUMBIA   20,000   2	212,620 888,020 346,112 1/1,334 145,719 208,136
CALE OF SECOND S	1,272,41 119,538 11,66,538 12,6,53 12,6,52 12,9,563 17,9,106 17,1,155 17,155
1922   1923   1924   1924   1924   1925   1925	# # # # # # # # # # # # # # # # # # #

### FORIY YEAR STUDY OF ANTHRACITE, BY COUNTIES #

DIVISION	11.8	17.02	15,39	12.67	12,68	11.90	14.19	12.58	11.52	13.45	12,19	10.72	10,69	10.94	10.19	7.50	6.82	7.88	7.41	90*9	5.62	4.89	5.98	6.57	5.80	6.11	8.94	7.39	8,25	6.37	11,06	9.62	5.72	8,69	9.71	8,19	3.54	2.73	5.26	2,67
WAYNE		69.03	144.35	32.02	1	ı	ı	1	102,94	1	ı	ı	1	1	1	ı	1	ı	ı	1	1		ı	1	1	ı	1	1	ı	ı	1	1	ı	1	1	1	1	1		
SUSQUE.	2,85	18.96				37.17	,		. 1	ı	22.91		1	1	1		,		ı	,	1			1	ı	ı	ı	ı	ı				1	,	1	1	1	ı		
SULLIVAN			26.04		36.95	11,25	35,21		19.04	1	1		1		1	,	18.56	25.41	ı	1	1	1	1	,	1	1	ı	1			,		,	,	1	1	1		,	
SCHOYLKILL	10.77	18.97	11.11	11.94	11.94	11.47	17,08	9.45	11,16	14.48	9.35	10,76	10.73	90.6	11.59	6.24	69.9	7.34	5,66	6,63	4.15	2,18	5.07	5,80	2.60	3.53	6.78	6.07	5.54	5.72	6.51	4.34	3.47	12.46	8.18	7.98	2.46	7,50	16.7	1
NOKTHUMBD.	9,48	9.63	15.23	7.13	8,32	12,25	9.28	8.71	10.75	9.87	8.76	7.53	4.73	10,42	7.74	8.92	8.57	7.63	7.26	2.90	1.42	4.59	4.72	8,70	3.41	2,11	11.54	00.6	8,95	7.17	7.47	6.17	7.35	2,56	9.26	19.60	3,36	1	10,13	
LUZEKNE	11.29	12.62	17.58	15.02	14.59	12,68	15.57	17.02	11.75	13,25	13.11	11.68	11.41	12,59	10.40	6.83	5,88	8.23	10.83	6.74	9.12	7.83	7.20	6.18	69.9	8.75	10.01	7.71	8.46	8.28	17.51	10.99	8.77	11.02	10.92	6,62	2,35	2.74	5,92	100
LACKAWANNA	12.65	14.05	18.45	11.77	13.22	10.96	11,62	11.26	9.82	15.49	14.26	10.64	12,08	10,01	10.08	66.6	8.78	8.16	7.39	5.57	3.06	3,15	5.37	06.4	5.01	8,34	5.93	7.12	87.8	3.60	96.6	20,68	2.28	,	11.57	3.99			1	000
LIAUPHIN	12,36	13.45	11.46	28.96	4.10	8.05	35.77	14,13	50.92	28.42	16,19	16.96	15.41	,	1	27,51	,			,			1	1		1	ı	1	25.39		1	1	1	,		1	36,66		1	
COLUMBIA	22.05		17.38	6.25		19.34	16,84		15.84	10.74	15,68	6.21	7.29	17.18	77.77	8,00	11.49	11,84	7.98	9.38	1.96	3.80	8.12	16.60	4.73	1.22	1	1	18.77	5.50	14.03	12,92	1	1	17.93	1	32,67	1	1	1
CARBON	8,30	14.89	8.21	5.58	6.58	9.25	5,50	5,12	6.89	7.66	8.52	7.60	9.45	3.92	6.05	8,30	4.94	4.99	3.03	3.97	3.45	7,86	5.42	11.43	5.97	2.72	13.24	9.66	11,23	1	11.33	12,86	12,65	1	9.77	1	1	1	1	1
YEAR	1924	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	19/1	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955 #	1956	1957	1958	1959	1960	1961	1962	1963	1961	1965	1966	1967	2000
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## EXPLANATION OF SYMBOLS USED IN THIS REPORT

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, 619		1,773	4,856	4,593	5,654	2,940	9,881	1,338	1,582	1,335	2,020	2,156	760	2,480	2,358	076	288	918	9	360	824	2,893	1,737	1,630	634	8	
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181.	13,927	17,330	30,716	35,641	21,981	21,550	37,690	21,982	21,763	22,978	26,567	24,767	6,560	3,752	6,359	3,550	9,106	4,450	2,770	13,654	13,101	26,192	33,019	43,000	39,237	2,700	
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The year 1924 was selected as a normal year, in order that comparison might be made with the depression years that are a part of this report. NOTE:

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Not segregated from Lackawanna County.

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In 1955, and subsequent years, the production, employes, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in the County totals. #

### PRODUCTION TABLE

			Product	Production - net tons	tons		Pounds					
		: Shipped to market	market :	Sold	Used at		permis- sible ex-	Pounds			Fatal	Non-
Operators and Collieries	County	: By	By : truck:	local	for steam	Total :	plosives	dynamite	Days	Empl-	Empl- acci-	acci-
Eniss Coal Co.	Sullivan			35, 321,		35, 321,	198.000	2.600	298	0	- neuro	neur
Bliss Crushing Plant	Sullivan	,	1	-	,	-	-		298	~ ~	1	
Total		-	1	35,324	-	35,324 a	198,000	2,600		H		
Blue Coal Corporation												
4 . 4	Luzerne	899	915	106	1	2,316 b	25,300	3,600	27	3/c	1	
Huber Strip 30-4,9A3	Luzerne	10,204	5,860	10,235	20	26,319 b	1	16,400	216	8	1	
	Luzerne	1,692	972	1,699	3	4,366 b		13,850	1145	80	1	
	Luzerne	12,794	5,055	17,404	17	35,270 c	181,793	13,656	268	16	1	
Middle Road Strito 30-52A	Luzerne	17,079	9,809	17,134	17	пр. 069 р		23,000	273	10	1	
۵	Luzerne	1,932	1,109	1,938	70	1,98h b			75	*	1	
No. 27 Slone Strip 30-SiA	Tazerne	6,235	3,581	6,255	16	16,087 b		1	193	6	1	
	Tuzerne	35,038	20,12h	35,151	77	90, 390 b		34.997	280	12	1	
	Inzerne	857	1,92	860	-	2,213 b		858	39	*		
	Tuzerne	2, 591	1.188	2.600	7	6,686 b			280	v		
	Lizerne	1,143	929	1,11,7	- 4	2,950 b		1.139	96	*	1	
	Inzerne	2,100	1.379	7.109	7	6.189 b		2,100	12	*		
Wanamie Strip 30-23Rh	Luzerne	13,518	7.764	13,561	8	34,872 b	107,500		254	12	1	
	Luzerne	3,644	1,950	3,616	2	9,212 b		1	1	1	1	
	Luserne	18,817	10,807	18,877	53	48,55h b		1	270	11	1	
Wanamde Strip 30-6R5	Luzerne	919	371	849	2	1,666 b			39	7	1	
Wanamie Strip 30-56	Luzerne	6,283	3,609	6,304	19	16,215 b			711	15	1	
Wanamde Strip 30-47A3	Inzerne	71,158	1,0,870	71,389	174	183,591 b	946,316	71,083	290	42	1	
Total		206,929	116,412	212,128	1,80	535,949	CV			152	1	
C. & S. Excavating Co.							1					
trip	Lackawanna	2115	11/5	272	1	532	1,500	100	22	* (	1	
Birdseye Strip 78-8	Lackawanna	4,863	6,124	11,529		22,516	007,99	1,500	280	20	1	
Total		4,978	6,269	11,601		23,408 d	67,900	1,600		0	1	
		000	000	, 000		0,000	11 100	2	,			
Mare Pine State Al. 195	Lackavanna	2,539	5,196	120,0 CLL		11, (50 e	00,050	20,250	8,86	* 716	1	
Jone	Tackmanna	419	779054	(()6797	1	1 1256/72	25/3/20	27,000	133	1		
No. 2 Cleaning Plant	Tackavarma			1					277	7	-	
Total		50.107	62,822	118.256		231.185	396,600	34,750		128		-
Coalbrook Sales Co., Inc.												
Cedar Avenue Mine Fire	Lackawanna	3,879	12,270	7,141	70	23,295 8	1	ı	ı	ı	1	
Booth Strip 10-1R4	Sullivan	1	,	1,835	1	1,835	1	1	170	2	1	
Booth Cleaning Plant	Sullivan		1					-	72	2	1	
Total				1 R35		1.835 h	1					

				Product	District 1 Production - net tons	tons		Pounds					
					Sold	Used at		permis-					Non-
			s Shipped to market	market :	to	colliery	••	sible ex-	Pounds				fatal
Orarotore and Collifordee		, and a	By By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl- acci-		acci-
America Contracting Co		COUNTY	19111000	CT OCK	17 8 7 0	allo lieac	DI OGGCCI OIII+	naen	nasn	MOTEN		1	dents
Throop Mine Fire		Lackawanna	9	222	97	7	278 1	,	ı	1	,	1	,
Gasperini Construction Co.													
Airport		Lackawanna	2	160	87	w	251 3		1	ı	,	1	1
Glen-Nan Coal Co., Inc.													
Twin Strip	135-1	Luzerne	2,052	3,316	187	1	5,855	55,720	7,800	29	*	1	2
Baltimore Strip	135-2	Luzerne	2,773	7,660	887	ı	8,320	74,280	6,800	63	*	1	1
Total			4,825	7,976	1,374		14,175 k	130,000	11,600		*		2
Lehigh Valley Anthracite. Inc.	Inc.												
Baltimore Strip	16-2RU	Luzerne	58,552	52,897	30,633	1,180	143,262 1	143,262 1 1,986,034	26,766	359	72	1	v
Northwest Mining Co., Inc.													
Powderly Strip	81-1R4	Lackawanna	579	729	1,371	,	2,679	1,050	850	113	7	1	,
Gravity Strip	81-3R4	Lackawanna	3,666	4,617	8,690	,	16,973	189,650	16,700	304	10	1	1
Edgerton Strip	81-6R	Lackawanna	7,422	9,345	17,592	1	34,359	94,750	7,250	215	17		
Powderly Strip	81-7	Lackawanna	,	,	,	,	ш -	1	1	9	2	ı	,
Greenfield Road Strip	81-8	Lackawanna	,	,	ı	,	m -	•	1	Ħ	w	1	1
Total			11,667	14,691	27,653		54,011 d	285,450	24,800		38	-	
Pasternak Brothers													
Ontario Strip	21-1R5	Lackawanna	3,305	4,163	7,836	1	15,304 n	125,000	3,000	295	25	1	1
Pennsylvania Department of	Highways												
Spruce Street Bridge		Lackawanna	2,917	1,062	2,393	8	6,392 0	,	ı	20	7	1	•
Scranton Excavating Co.													
William A Strip	6-2RU	Inzerne	240	302	267	1	1,109 p	-	-	24	7	1	-
[0+0B+0]C			10.1 5.10	210 050	1 72 023	,	0 1 1 00 1	2000 1	700	000	-	(	0
TROUTED TOPAT			341,404	2/7,240	1)0')Ch	1,60°T	T,085,416 5,292,472	2,292,412	235,370	200	432	V	PΤ

Workmen transferred to other operations of same company, \* NOTE:

(C) (C)

a) All coal prepared it Black Townships Flant.

() 15 Slik tons prepared it Black Townships Flant.

() 15 Slik tons prepared at those Breaker - Bistrict 5

() All coal prepared at those Breaker - Bistrict 5

() All coal prepared at Newmond Breaker - Bistrict 5

() 755 coas prepared at Newmond Breaker - Bistrict 5

() 755 coas prepared at Newmond Breaker - Bistrict 5

() 757 coas prepared at Newmond Breaker - Bistrict 5

() 777 coas prepared at Newmond Breaker - Bistrict 5

() 777 coas breaker at Newmond Breaker - Bistrict 5

() 777 coas breaker at Newmond Breaker - Bistrict 5

(e) (g)

112,869 tons prepared at Taylor Breaker - District 5 106,285 tons prepared at Raymond Breaker - District 5 (F)

1,270 tons prepared at Kassa Breaker - District 5 16,420 tons prepared at Bolands Breaker - District 5 2,354 tons prepared at Bel Air Breaker - District 5 (B)

tons prepared at Ace Breaker - District 5 251

All coal purchased by United States Government.
All coal prepared at Book Cleaning Plant.
All coal prepared at Ace Breaker - Harrict 5.
Old non prepared at Ace Breaker - Harrict 5.
So thous prepared at Orloade Cleaning Harrict 5.
Construction grading at Alport. Instruct 6. EEE

All coal prepared at Glen Lyon Breaker - District 6. All coal prepared at Harry E Breaker - District 5. New operation - no coal produced during 1968. EEEE

5,355 tons prepared at Ace Breaker - Mistrict 5 5,899 tons prepared at Pompay Breaker - Mistrict 5 1,880 tons prepared at Kassa Breaker - Mistrict 5 2,170 tons prepared at Penbrook Breaker - Mistrict 5

			Producti	iction - net	et tons		Pounds					
		-		Sold	Used at		permis-					Non-
		s Shipped	to market :	to	to colliery	••	sible ex- Pounds Fatal fatal	Pounds			Fatal	fatal
		1 By	By 1	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-
Operators and Collieries	County	: railroad	trucks	trade	and heat	production:	nsed	nsed	worked	oves	dents	dents
NOTE: (0) 5,707 tons prepared at	Taylor Breaker -	District 5				(d)	304 tons prepared	77	at Harry E. Breaker - District	reak er	- Matr	ict 5
685 tons prepared at Ac	t Ace Breaker - District	rict 5					805 tons prep	ared at	Taylor Breaker - Distri	sker -	Distric	t >2
All coal purchased by Pennsylvania Department of His	ennsylvania Depa	rtment of Highw	ays.									

44722 245 280 281 281 281 281 281 38 38 38 241 62 155 155 83 315 293 134 84,100 3,200 1,700 89,000 339,350 55,262 49,936 130,302 149,906 10,780 226,371 231,761 57,953 37,728 32,340 5,679 8 190 8 21,294 21,294 12,188 38,395 10,360 60,943 40,511 47,994 37,703 4,817 4,485 612,858 67,757 37,071 01,828 255,476 123,926 1,959 55,579 30,569 8,854 985 195 24,784 12,368 196 5,547 3,051 884 26,141 14,303 40,444 21,169 3,969 12,504 3,374 19,847 4,043 4,790 3,763 4,81 District 2 8,258 17,235 9,479 2,746 305 11,883 11,692 1,494 1,494 1,391 18,333 8,219 25,891 6,986 41,096 150,757 73,129 1,156 32,797 18,039 5,224 5,224 26,525 14,510 41,035 3,925 Schuylkill Luzerne Luzerne Schuylkill Schuylkill Columbia Schuylkill Schuylkill Carbon Schuylk111 Luzerne azerne uzerne Luzerne azerne Carbon Carbon Carbon Carbon Carbon Carbon 33.22 Greenwood Stripping Corporation Greenwood Marmoth Strip Gowen Mammoth Strip Gowen Buck Mountain Strip Derringer Buck Mt. Strip Marmoth C.B. Spoon Strip Primrose S.B.Spoon Strip Huss, George E-30 Buck Mountain Strip Orchard C.B. Strip #10 W.L. Mammoth Strip Loomis Mammoth Strip Wildip Orchard Strip Wildip Orchard Strip LO-N-2 Mammoth Strip LO-N-2 Mammoth Strip Buck Mountain Strip Buck Mountain Strip Buck Mountain Strip Buck Mountain Strip Total Total 48-N-2 Primrose Strip Stockton Basin Strip Total Brook Contracting Corp. loneybrook Mines, Inc. Humboldt Strip Audenried N.B. Strip 5-N-3 Mammoth Strip Primrose C.B. Strip Oneida Strip Gowen Coal Co.

				Product	Droduction - not tone	+000		Dounde					
				**	Sold	Used at		permis-					Non-
			Shipped to market	market :	to	colliery	Total	sible ex-	Pounds	Dave	Fatal Fmnl acci-		fatal
Operators and Collieries		County	: railroad	trucks	trade	and heat	production:	nsed	used	worked	oves		dents
Jeddo-Highland Coal Co.			700 444	0 0	700 00	6	2007		-	0,470	000		
J-41 Strip	22-8	Luzerne	102,396	112,209	20,200	2, (I.)	245,000 n	1	( , , , , , , ,	162	007	ı i	Vľ
J-43 Strip	22-8	Luzerne	20,231	00,000	24,901	1,005	205, (1/ 1	1 1	0,025,021)	724	24		n 0
J-44 Strip	0 = 2 3	MAGE IIC	220,711	212,134	58,549	4,815	1,96,209	-	6,025,851		213		6
Lehigh Valley Anthracite, Inc.													
Stockton Basin Strip	16-8	Inzerne	27,468	38,536	8,275	1,024	75,303 k	ı	855,768	335	13	ı	m :
Upper Lehigh No. 2 Strip	16-15	Inzerne	423	343	10.7	- 1	1 088 1	ı	43,314	€ 1	_ (	ı	Т
Lattimer Mines Strip	10-19	Luzerne	1,521	1,234	304	520 5	3,104 1		21,423	=	200		+
Total			27,412	40,113	0,100	1,050	17,041		350,303		2		7
Oneida Strip	89-5	Schuylldi 11		508	2,667	'	3,175 m	-	1,200	157	9	-	1
District Total			781 627	507 805	250.266	6.778	1.506.1,76		5,19,1,11,.61,5	536	685		61
1000			Tofro!	Conflor	200	21162	2146446		7				+
MOTE: (a) 33,093 tons prepared at Blaschak Breaker - Instrict 12 12-12/25 tons prepared at Broakbrook Fracker - Instrict 7 14 All coal prepared at Blaschak Breaker - Instrict 12. (c) All coal prepared at Gowen Breaker - Instrict 12. (d) All coal prepared at Gowen Breaker - Instrict 12. (e) All coal prepared at Breaker of Bratict 7. (f) 55,05 tons prepared at Brackley Breaker - Instrict 7. (f) 55,05 tons prepared at Brackley Breaker - Instrict 7. (f) 55,24 tons prepared at Blackley Breaker - Instrict 7.	red at Bl ured at Ho at Blasc at Gowen at Green at Honey red at Bla	9) tons prepared at Blaschak Breaker - Instruction prepared at Bungbrook Breaker - Instruct coal prepared at Blaschak Breaker - Instruct coal prepared at Govern Breaker - Instruct rotal prepared at Govern Breaker - Instruct coal prepared at Greenood Breaker - Instruct coal prepared at Bongbrook Breaker - Instruct Coal prepared at Bongbrook Breaker - Instruction and Coan prepared at Bongbrook Breaker - Instruction and Coanger - Instruction -	District 12  - District 7 strict 12. ict 7. listrict 12. District 17. District 7 District 7 District 17				(h) 110,51µ 135,09¼ (i) 200,661 5,056 t (j) 31,515 13,369 (k) All coa	tons prepa tons prepar tons prepar- tons prepar- tons prepar- tons prepar-	110,511 tons prepared at Jeddo No. 7 Breaker - District 7 115,501 tons prepared at Harlachen Shaft breaker - Distr. 7 200,651 tons prepared at Jeddo No. 7 Breaker - District 7 5,056 tons prepared at Jeddo No. 7 Breaker - District 7 13,555 tons prepared at Jeddo No. 7 Breaker - District 7 13,556 tons prepared at Hazlachon Shaft Breaker - District 7 13,506 tons prepared at Hazlachon Shaft Breaker District 7 All coal prepared at Hazlachon Shaft Breaker District 7 All coal prepared at Jeddo No. 7 Breaker - District 7 All coal prepared at Jeddo No. 7 Breaker - District 7	No. 7 Br ton Shaft No. 7 Br n Shaft F No. 7 Bre on Shaft Shaft Bre 7 Breake	eaker - Breaker - breaker - breaker - aker - Breaker - aker -	District	let 7 3t. 7 let 7 let 7 rict 7 rict 7 rict 7 rict 7 rict 7 rict 7
(g) All coal prepared at Buckley Breaker - Mstrict 7.	at Buckl	ey Breaker - Dis	trict 7.					1 prepared	All coal prepared at Wesner Breaker - District 7	eaker - I	hstrict	7	
Physic Cost Co				Dis	District 3								
Aristes Strip	1-64	Columbia	,	7,751	,	1	7,751 a	1	1,650	258	2	,	,
Capparell Stripping & Construction Co., Inc.	ction Co.	,Inc.								. :			
Kohinoor Strip	19-1	Schuylkill	1	8,541		ı	8,541	1	33,750	917	15	1	2
Locust Mountain Strip	19-2	Schuylkill		16,688		1	16,688	ı	110,300	176	13	ı	ı
rast bear mage strip Total	19-3	Schuylikall		30.268		1	30,268 b	1	157,550	to		١.	1 0
tract									2000				
Potts Strip	91-6	Columbia		8,375		ı	8,375	•	13,300	85	9	ı	
Alacks July Chair	) T-1	Northumberland		3,179	ı		3,179	1	2000	81.	21.)		-
Alaska No. 2 Strip	91-9	Northimber land		21, 086	1 1		21,086		12,000	2 2	9		
Total				40,118	1	1	40,118 c	1	101,300		30		2
D. & Z. Coal Co.													
opringileld Strip	140-1	Northumberland	1	261	1	1	261 a		25	36	2	,	ı

		••			Sold	Used at	**	permis-				,	Non-
		m' ••	By By By	By :	local	for steam	Total	plosives	dynamite	Davs	Emp1-	Empl- acci-	fatal acci-
Operators and Collieries		County	railroad	truck:	trade	and heat	productions	pesn	nsed	worked	oves	dents	dents
Folger & Chapleski													
Excelsior Strip	119-2	Northumberland	,	3,585	ı	1	3,585		16,850	233	5	į	1
Enterprise Strip	119-3	Northumberland	,	1,025	,	•	1,025	,	,	100	2	1	
Henry Clay Strip	119-4	Northumberland	,	2,820	ı	1	2,820			208	2	•	•
Total				7,430			7,430 d		16,850		9		
Glenn Brass Coal Co.													
West Cameron Strip	106-5	Northumberland	,	6,611	1	1	6,611 e	1	1,000	228	2	1	
Sales.	Inc.												
	15-9	Northumberland	,	870	1		870		,	81	3)		1
	15-10	Northumberland	,	3,395	,	,	3,395		1	157		1	
Total				1,265			4.265 a	,			1		
Howells, Thomas & Olaf, Stanley	עסור				-								
Heights #1 Strin	7-8	Northumberland		5.154	,	,	5.151	1	,	219	2)	1	
Helehts #2 Strdn	0-1	Northumberland	,	330	,	٠	330		,	38		•	,
	t			287.5		,	5.11811.3	,			C	,	1
Jet Coal Co.													
Richards Strip	3-5	Northumberland		1,500	1	1	1,500	1		221	7	1	1
Richards Strip	3-61	Northumberland		200	,	,	200	,	,	20	ì	•	,
Total				1.700			1.700 a				-		
K. & J. Coal Co.													
Midvalley No. 3 Strip	141-1	Columbia	1	1,640	1	1	1,640 f	1	220	92	2	1	1
Kerris & Helfrick, Inc.													
Morris Ridge Strip	7-1	Columbia	1	10,279	,	1	. 10,279	1	000,09	28	9	1	1
Edgewood Strip	7-11	Northumberland	1	16,698	ı	,	16,698	1	20,000	140		1	1
Maysville Strip	7-15	Northumberland		12,067	1	,	12,067	1	2,000	100	(7)	١	1
Maysville Strip	7-18	Northumberland	1	26,354			26,354	1	15,000	98		1	Н
Sayre Strip	7-17	Northumberland		80,306	1	,	80,306	1	140,000	238	9	1	Н
Stuartsville Strip	7-16	Northumberland	,	100,316			100,316		100,000	249	6	1	7
Trevorton Strip	7-19	Northumberland	1	24,309	,	,	24,309	1	30,000	63	6	1	1
Total				270,329			270,329 R		370,000		34		9
acite,	1C.												
Continental Strip	16-9	Columbia )											
		Schuylk111)	1	1	1	1	1	1		277	50	1	•
Girard Strip	16-10	Schuylkill	11,432	989,9	2,550	29	20,735	ı	1,100,000	246	97	1	~
Germantown Strip	16-12	Columbia	90,030	52,657	20,086	530	163,303	,	3,250,000	302	2	1	2
Primrose Strip	16-14	Schuy1k111	128,583	75,206	28,688	757	233,234	1	1,200,000	302	2	1	1
Coplay Strip	16-16	Schuylkill	638	373	142	7	1,157			12	7	1	1
Marmoth-Harmond Strip	16-17	Schuylkill	32,411	18,957	7,231	191	58,790	1	459,860	302	18	1	Н
Total			263,094	153,879	58,697	1,549	477,219 f		6,000,860		201	,	9
Long Coal Co., Millard													
Kulpmont No. 1 Strip	129-1	Northumberland		1,741	ı		1,741 a	ı	1	180	. N	ı	1

Pounds

				Product	Matrict 3	tons		Pounds					
			Shipped to market	market : By :	Sold to local	Used at colliery for steam	Total	permis- sible ex- plosives	Pounds	Davs	Emp1-	Fatal Empl- acci-	Non- fatal
Operators and Collieries		County	railroad	truck:	trade	and heat	production:	nsed	nsed	worked	oves	dents	dents
Minel, Inc.	,						1		of an artist		,		
Trevorton Strip	63-2	Northumberland	ı	10,718	ı	ı	10,718 e		57,255	178	9	1	ı
Burnside Strip	52-1	Northumberland		23,920	ı	1	23,920 h	1	83,950	291	12	1	1
Edgewood String	9-701	Northumberland	,	2.21,7	,		2.21.7	,	,	3)'	77	١	,
Hickory Swamp #1 Strip	107-7	Northumberland	1	21,236	,	,	21,236	1		235	00	ı	١
Hickory Swamp #2 Strip	107-8	Northumberland	-	8,749	-	-	8,749	-	-	133	2	-	1
Total				32,232			32,232 1				17		1
Reading Anthracite Co.													
Knickerbocker M-112 Strip 23-8	p 23-8	Schuylk111	24,387	7,178	14,278	ı	45,843	1	816,002	264	17	1	2
Knickerbocker M-112A	23-9	Schuylkill	29,608	8,752	17,410		55,770		1,480,274	292	15		1.1
Trevorton S-5 Strip	23-12	Northumberland	61,109	5,417	19,086		85,612	1	1,303,260	281	19	ı	-
Trevorton S-5A Strip	23-13	Northumberland	-		'				-	201	4	-	-
Total			115,104	21,347	50,774		187,225 j	-	3,599,536		52	'	
Rosini Coal Co.				-					-	100	10 "		
Bear Valley Strip	17-22	Northumberland		7,862	ı	ŧ	7,862		000,000	225	15)	ı	
Been Vellow Study	1,7 21,	Monthumber Land		1.5			1.5		900	147	~	1	ı
Sterling #1 Strip	1,7_25	Northumber land		1,581			783		000.60	1.7	~		
Total	ì	-		59.625			50,625		95.000	7	12		
S. & D. Coal Coal Co.				11300			2000		200677				
Hickory Swamp Strip	127-1	Northumberland	ı	4,500		ı	4,500 a	1	ı	200	2	1	ı
Midvalley #2 Strip	9-601	Northumberland	ı	3,650	,	,	3.650 a	,	,	21/8	64	1	,
Sanchez Construction Co.													
Logan Strip	1-921	Columbia		21,067		ı	21,0671	ı	30,000	123	15	ı	
Roaming Creek Study	76-5	Now+himban and		.101			1,01, -			70	C		
Split Vein Coal Co.		TOT TOTION TON		T3424			11 474 III		1		`		
Henry Clay Strip	113-3	Northumberland	ı	1,957	,	1	1,957	1	,	83	2)	1	ı
Henry Clay Strip	113-8	Northumberland		2,496	1	1	2,496	1	ı	137	_	ı	
Bunker Hill Strip	113-9	Northumberland		1,898		1	1,898	1		88 %	~	ı	
COST UMI LIMEL #20	777-10	Northumberland		1,00/	-		1,50/			07			-
Total			-	7,918	-	-	7,918 n				2	1	
District Total	-		378,198	717.948	177,901 849,717	1.549	1,207,166		10,524,196	233	726	- 1	21

44 (B)(D)

21,078 tons prepared at Glen Burn Breaker - District 10 15,930 tons prepared at Riacetak Breaker - District 7 '3,356 tons prepared at Ron Lee Breaker - District 11 2,752 tons prepared at Acc Coal Sales - District 11

©

coal prepared at D. & Z. Breaker - Instrict 11. coal prepared at Rosa Breaker - Instrict 7. NOTE:

				Product	Production - net tons	tons		Pounds					
			1		Sold	Used at		permis-					Non-
			s Shipped to market	market :	10	colliery		sible ex-	Pounds				fatal
Onerators and Collieries		County	railroad	trucks	trade	and heat	production:	plosives	aynamite	worked	oves dente	cci- a	dents
	pared at Low pared at Man pared at Man pared at Gle pared at Ret propared at E repared at S repared at S	Loud prepared at Lower Region Treatment - Databate 1.  Lincal prepared at Sunstitute Breaker - Instruct 10.  Lincal prepared at Wanneth Breaker - Instruct 10.  Lincal prepared at Wanneth Breaker - Instruct 10.  Lincal prepared at Giden Breaker - Matrict 11.  Lincal prepared at Giden Breaker - Matrict 11.  Lincal prepared at Comment Breaker - Matrict 10.  Lincal Breaker - Breatle 10.	histrict 11.  histrict 10.  listrict 30.  histrict 11.  nistrict 11.  - histrict 10.  histrict 11.  - histrict 11.				(j) B5.02 ton prepared at Twenton Breaker - Mafrict II (l) 101,013 tons prepared at New St. Micholas Breaker Infa L1.5 (k) All coal prepared at Carbon in Breaker - District L0 (l) 8.105 tons prepared at Legal Breaker - District L5 9.451 tons prepared at Eleaner Breaker - District C 8.00 tons prepared at Standord Breaker - District C 7 (s) 10 tons prepared at Standord Breaker - District L0 (m) All coal prepared at Standord Breaker - Bistrict L1 (n) All coal prepared at Stalf Vein Breaker - Bistrict L1 (n) All coal prepared at Stalf Vein Breaker - Bistrict L1 (n) All coal prepared at Stalf Vein Breaker - Bistrict L1.	Oly 20 tons propared at Provicton Provides Provides 100, 503 tons propared at New St. Wicholas Breader-Martict 10, 503 tons propared at Jean Nun Freder - District 10, 5106 tons propared at Legal Breader - Instrict 15 yild; tons propared at Estanden Breader - Instrict 7 500 tons propared at Starood Breader - Instrict 7 5,567 tons propared at Starood Breader - Martict 7 5,667 tons propared at Starood Breader - Martict 7 1,100 and propared at Starood Breader - Martict 7 1,100 and propared at Starood Breader - Martict 9, All coal prepared at Starood Breader - Martict 9, All coal prepared at Starood Breader - Martict 9,	con spreaded at Verovicon Resident - MSTATCH.  Con prepared at Level Nu Resident - MSTATCH IN  Special at Legal Resident - MSTATCH IN  Special at Legal Resident - MSTATCH IN  Special at Legal Resident - MSTATCH IN  Special at Stanched Resident - MSTATCH IN  Special at Stanced Resident - MSTATCH IN  Special at Stanced Resident - MSTATCH IN  Special at Statist Resident - MSTATCH IN  PROPAGED AT STATCH IN  PROPAG	orton Break St. Nick Run Break Breaker hak Breaker d Breaker Burn Breaker I Breaker	saker - Dolas B cer - Dist.	District listrict rict 15 rict 15 rict 15 brict 7 District 7 trict 9	10 10 11.
Thirty will prepared at	na nauredau	THE PLANE	17 021000	Dist	District h								
Bell Cosl Co.													
Bell Strip	121-2	Schuylkill	3,860	411,8	1,967	39	13,980 a		ı	289	~	ı	ı
Bernitsky Strip	112-2	Schuylkill	672	777	1,700	77	3,100 b	1	2,000	20	2	,	
New Philadelphia Strip	2. 14-2	Schwlkill	5,440	6,280	8,174	148	19,942 €	83,000	4,050	291	70	ı	ı
Bridy Strip	31-7R	Schuylkill	4118	5,228	2,674	12	8,728 d	1	1	240	9	1	i.
Tracy Strip	125-2	Schuylkill	577	2,112	199	1	2,888 e	ı	í	143	7	ï	ï
Connors Strip	134-2	Schuylkill	3,244	1	1	•	3,244 £	ı	150	306	~	ı	ï
D. & F. Strip	138-2	Schwikill	632	5,804	922	56	7,384 €	,	1	151	7/	1	
Scott Strip	34-2	Schwlklll	1,80	3,222	992	12	4,480 н	1		110	2	1	1
H. & H. Strip K. & K. Coal Co.	137-2	Schuylkdll	917	632	7.1	21	770 1	í	í	25	2	1	1
Kochen Cool Co Tro	136-2	Schuylkill	280	11,178	1,944	24	13,426 j	ı	1	272	٣	1	1
		Schuylkill	2,650 35,124 37,774	6,479 95,471	1,442 9,828 11,270	70 70 120	10,621 140,493 151,114 k	784,135 97,035 881,170	-	305	16	- 1	- 1
Koury Coal Co. Koury Strip Krell, Philip	139-1	Schuylkill	2,390	6,487	672	115	9,594 к		,	103	2	,	
Orchard Strip North East Mining Co.	61-3	Schuylkill		1,922	9716	1	2,868 1	1	ı	263	П	1	1
North East Strip	130-3	Schuylkill	866	7,020	528	16	8,430	,	1	118	7/		

	fatal acci-	dents	1	-		7	- 2	. 1	,	1	7	To	1	1	1	1		1	,	7	1		1	1		23	11	ct 12
	N Fatal f Empl-acci-a	dents	1				1	,	,	ı		-	,	1	1	-		1	,	ı			ı	1	1	,	strict 13	- District District rict 12.
	Emp1-	oves	77	10	-	4 6	77	9	٦	27	200	T00	19	6	w	9	47	2	7	13	28		7	ν.	77	31,0	ri - Die	reaker - Dist - Distr - Distr - Distr
	Days	worked	25		Oilc	ביוכ	289	63	240	292	292		136	122	8	23		241	546	246	1112		16	62	284	700	Breake	Creek Bring Bre Washery Breaker
	Pounds	pesn	1			٠,٠	1	1	ı	1	1	-	ı	ı	1	-	1	ı	1,000	300	1,300			1		7.500	at K. & P	at Maple Spat Randolph at Randolph at Legal
Pounds	permis- sible ex- plosives	nsed	-			3.007.052	4,202,931	365,283	'	2,051,726	305,988	7,732,700	158.275	85,350	,	1 0 0		1	93,750	39,000	132,750		1	1		11.273.525	1,20 tons prepared at K. & P. Breaker - District 13	1,508 tons prepared at Silver Oreek Breaker - District 12 All coal prepared at Majs Spring Breaker - District 13 All coal prepared at Mandoja Breaker - Barrict 12 All coal prepared at Mandoja Washery - Marrict 12 All coa
	Total	production:	2,225	10,655 m		73.339	1,08,969	1	1	124,558	102,512	109,310 in	35.870	13,314	3,715	- L	21,031 0	1	25,376	17,047	42,423 p		2,674 1	2,193 q	12,815 r	1.079.293	(d) h.220	
tons	Used at colliery for steam	and heat	8	24			1	1	1	1	-	-		1	1	-		1	75	51	126		ı	1	24	535	-	
District 4	Sold to local	trade	1,67	995		22,895	127,675	. 1	1	38,884	32,002	064,122	4.558	1,710	786	543	1,521	,	2,735	2,078	4,813		656	721	1,299	268.845		
Product	market : By :	truck:	1,632	8,652	ı	11.509	64,180	1	1	19,547	16,087	111,363	7,172	2,662	749	947	11,230	,	8,456	5,682	14,138		1,715	1,472	8,266	310,739		01
	Shipped to market	: railroad	118	987		38.935	217,712	. 1	1	66,127	54,423	210,237	24,140	8,942	2,480	3,248	20,010	,	011,41	9,236	23,346		ı	1	3,2%	499,174	Metrif of 13.	inct 13. Instruct 11. Instruct 12. Instruct 13. Instruct 13.
		County	Schuylk111		Schivellell	Schuv1kd11	Schuylkill	Schuylk111	Schuylkill	Schuylkill	Schuy1k111		Schuylkill	Schuylk111	Schuylkill	Schuy1k111		Schuylkill	Schuylk111	Schuylkill Schuylkill	}		Schuylkill	Schuylkill	Schuylkill		All coal prepared at Schneck's Breaker - Networt 1).	All coal prepared at K. & P. Breaker - Institct 11. 11,757 tons prepared at D. & Z. Breaker - Institct 11. 3,620 tons prepared at D. & Z. Breaker - Institct 11. 3,620 tons prepared at K. & P. Breaker - Institct 12. 3,521 tons prepared at K. & P. Breaker - Institct 13. 3,021 tons prepared at Internation Prepared 11.
		Linned	130-4		23-3	23-4	23-5	23-6	23-14	23-15	23-To		36-3	36-6	36-7	30-0		70-1R	70-2	20-7		1	105-2	133-1	132-1R	-	red at Schr	ed at K. & epared at D pared at Si pared at K.
		Orerators and Collieries	North East Strip	Total	Oak Hill P-h7 Strip	Wadesville P-33 Strip	St. Clair P-48 Strip	St. Clair P-44 Strip	Pine Knot P-39 Strip	Buck Run P-45A Strip	Potts-Bannan P-50 Strip	Schuylkill Contracting Co.	Marmoth & Holmes Strip	Pine Hill Strip	Westwood Strip	buck hun strip	Swatara Coal Co.	Primrose Basin Strip	Mammoth Strip	Swatara falls Strip Primrose Strip	Total	Valent Coal Co., Frank	Silver Creek Strip Valley Enterprises, Inc.	Brockton Strip	W. & W. Strip	District Total		(b) All coal preparation (c) 11,795 tons pre 3,620 tons preg 2,515 tons preg 2,012 tons preg

			Product i	District 4	tons		Pounds					
				Sold	Used at		permis-				No	Non-
		: Shipped to market	By :	to	colliery for steam	Total	sible ex-	Pounds	Dave	Fatal Fmnl- acci-		fatal
Operators and Collieries County : railroad	County	: railroad	trucks	trade	and heat	production:	tion: used	used at New St.	Now St. Michael Brosker-in strict 12	oves de	nts de	nts 13
(1) Alloo tong propared at Femilian Breaker - Matrict II (1) Allocal propared at Legal Breaker - Matrict 12 (1) 10,220 tong propared at U. R. Breaker - Matrict 12 (2) Cong propared at U. R. Breaker - Matrict 3 (1) All coal propared at Sirver Creek Reseaker - Matrict 15 (1) All coal propared at Sirver Creek Reseaker - Matrict 15 (2) Congress propared at Franklin Breaker - Matrict 14 (3) Congress propared at Pranklin Breaker - Matrict 12 (3) Congress propared at Pranklin Breaker - Matrict 12	amk'in Breaker - ", & E. Breaker - & P. Breaker - & P. Breaker - bis err Breaker - bis err Creek Breaker -ank'in Breaker - & E. Breaker - N. Breaker - bi	nistrict ill rict 15 nistrict 12 nistrict 13 trict 15 - District 12 nistrict 12 nistrict 12 strict 12					propared prepared prepared ns prepare ns prepare ns prepare ns prepare	All coal prepared to Mariin Branker - Estrict 12 All coal prepared to Santau Breaker - Estrict 13 All coal prepared to J. & Branker - Estrict 12 All coal prepared to J. & Branker - Estrict 12 All coal prepared to J. Remain Breaker - Estrict 14 All Coars prepared at Legal Breaker - Estrict 13 All Coars prepared at Live Oak Breaker - Estrict 13 All Coars prepared at Inkenso Breaker - Estrict 13 All Coars prepared at Manno Breaker - Estrict 13	reaker - Breaker - Breaker - In Breaker - Ak Breaker - Breaker - Breaker - Ak Breaker co Breaker	district Mistric Mistric Mistric - District	12 t 13 t 12 riet 14 t 13 rriet 13	
			mst	District 5								
Ace Bank	Lackawanna	1	,	1,230	1	1,230	1	1	280	~	,	,
Ace Cleaning Plant	Lackawanna			1 000	1	1 000	-	1	280	70		-
Ace Coal Co.				1,430		1, C30 &				-	•	1
Ace Breaker	Lackawanna	ı	1	ı	1	1	1	1	R	7	,	2
Waddell Bank	Lackawanna	950	,	ı	1	950	1,	1	160	21	,	1
Waddell Washery	Lackawarma	1	-	-	-		-	-	100	2		.
Total		950	1		1	950 b		1		-		-
Bag Plant	Lackawanna			1	,	1	ı		295	13	,	1
D. & H. Railroad Simpson Bank	Luzerne	16,444	8,240	18,891	35	43,610	1	1	202	m	,	1
Ruber Breaker	Luzerne		. 1	1	,	'	1	1	241	7	1	9
Huber Shops & General	Inzerne	ı	1	ı	1		1	1	241	120	ı	1
Loree Breaker	Inzerne	ı	1		1		1		73	200	ı	п,
Mantitoto Deser plant	Luzerne	1		ı		1	1	1	248	02	ı	н
No. 133 Slone	Tugome	. Jol. 1	2 257	7.1.1	ı	10 C87	1 00	ı	0T2	2,7	ı	
No. 13h Slone	Luzerne	1 997	7/7/1	2,00	NΥ	7,00	8,0		100	2 4		
No. 218 Slope	Luzerne	5,308	3,049	5,325	12	13,694	11,000		140	18	1	η
Loomis & Truesdale Misc.	Luzerne	1	1	1	1		, 1	1	257	2	,	
Sugar Notch Bank	Luzerne	915	515	915	1	2,345	ı	1	16	7	,	1
C.B.M. Coal Co.		28,768	15,307	31,261	61	75,397 c	26,000	-		312		15
Lehigh Valley Railroad Bank	Luzerne	7,260	4,095	7,260	•	18,615	ı	ı	108	ς,	1	1
Total	all log Pri	7,260	4,095	7,260		18,615 <sub>d</sub>			202	200		.   .
Coalbrook Iron & Metals Coalbrook Bank	Lackswama	1	6,137	1		6,137 e			112	7		

			Producti	Production - net tons	tons		Pounds					
		. Shinned to market	:	Sold	Used at		permis-	Dounde		-	Fatal	Non-
Onerstone and Collieries	County	By By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl- acci-		acc1-
eAngelis, Inc.						)						
Bolands Breaker	Lackawanna			ı	1		ı		247	10	ı	
buryea Coal Sales Co., Inc.	,								- 10	(		
Bel Air Breaker	Inzerne		ı				ı		544	2	ı	
G.M.C. Energy Fuels	Transma								200	-		
Milenblatt Cleaning Flant	Luzerne								102	ŧ		
Storrs Bank	Lackawanna	069	,	,	ı	J 069	1		25	~	1	
Heaps, William												
Vandling Bank	Lackawanna	360	846	,	1	1,308 €	•	,	35	2	1	
aflin Heights Coal Co.												
Laflin Bank	Luzerne	1	8,009	ı	1	8,009 b	ı	,	75	7	ı	
wear Coal Co.												
Pine Ridge Bank	Luzerne	3,234	15,427	i		18,661 h	1	1	큐	7	ı	
chigh Valley Anthracite, Inc.				,	;							
Empire Bank	Inzerne	33,973	30,198	16,332	999	81,168	,		170	0,1	ı	
Franklin Cleaning Plant	Luzerne		ı	,					168	16	ı	
Harry E. Breaker	Luzerne	1.	1	ı					174		ı	
Kidder Bank	Luzerne	269	629	364	77.	1,704		ı	with	h Empire		'
Prospect Bank	Luzerne	11,458	10,287	5,802	229	27,776	,	,	225	mì	ı	
Prospect Cleaning Plant	Inzerne			-			-	-	225	2	1	1
Total		46,128	41,114	22,498	908	110,648 1				60	-	1
Martinelli, Mathew									1			
Archbald Bank	Lackawanna	,	,	,	1	. *	,		15	٦,	ı	
Taylor Bank	Lackawanna	361	79	1,959	-	2,384	-		177	2	-	
Total		361	19	1,959	1	2,384 j				9	1	
fatisko Coal Co., John									7			
Matisko Bank	Susquenama			1,432		T,432			104	٦,	ı	
Matisko Cleaning Plant	Susquehanna		-	-	-			1	TOT	-10	1	1
TOTAL STATE TOTAL		-	-	1,432		1,432 K	-	-		2		
Taylor Breaker	Tackettene		ı						1),,1	65		
Mountain Coal Co.	or and the state of the state o								1	}		
No. 32 Slope	Luzerne	7,912	7,148	4,139	160	19,359 1	22,000	1,900	240	7	ı	
Gravity Colliany	Tackavanna					E			-	-	١	
Marvine Sizeing Plant	Lackawanna							ı	301	13.4	1	ľ
Raymond Breaker	Lackawanna	•	ı	1	1		1	1	250	23	1	i
4 . 4												

			Product	Production - net tons	tons		Pounds					
			••	Sold	Used at		permis-					Non-
		Shipped to market	o market : By :	to local	colliery for steam	Total	sible ex-	Pounds	Davs	Emp1-	Fatal Empl- acci-	fatal acci-
Operators and Collieries	County	: railroad	truck:	trade	and heat	production:	nsed	nsed	worked	oves dents	- 1	dents
0 S C Co. Railroad Bank	Susquehama	,	5,368	2,789		8,157 n	٠	٠	65	7	1	'
Oliver & Heapps Johnson Bank	Lackawanna	П	1,070	113	•	1,184 0	٠	,	23	~	1	1
Olyphant Premium Anthracite Co. Olyphant Bank	Lackawanna	8,168	3,130	5,480	88	16,866	1	,	128	9.	•	П
Olyphant Cleaning Plant Total	Lackawanna	8,168	3,130	5,180	88	16,866 p			128	# R	1 1	1 2
Opalka Coal Co. Bolands Collifery	Lackawanna	1	2,672	250		2,922 n	625	&	201	77	'	1
O'Toole Cleaning Plant	Lackawanna		1	1	•	•	•		256	٦	1	1
Panzitta Construction Co. 52 Drift Ontario	Lackawanna	•	,	1	1	ı	,	1	77	61	1	1
Penbrook Coal Co. Penbrook Bank Penbrook Breaker	Lackawanna	1,915				1,915	1 1	1.1	44	U IV	1 1	1 1
Total		1,915				1,915 r		-		2		1.1
Perry Coal Sales Co., Inc., Thomas Perry Bank	Lackawanna	18,838	126	2,176	1	21,140	•	,	213	~ ~	١	1
Avoca creating right	Mzerne	18,838	126	2,176		21,140 s			CT2	0	1	11
Pompey Coal Co. Pompey Braker Pompey Bank Total	Lackawanna Lackawanna	8,229	197	3,742		12,168		-	187	19		m 1 m
des	Lackawanna	2,751	860,68	342	'	92,191 u			188	9	'	1
Exeter Bank	Luzerne	,	53,102	1	1	53,102 b	•	•	112	10	1	1
Jerunion Excavating Co.	Luzerne	6,802	5,311	18,083	•	30,196 v	1	•	274	77	1	1
Sebastopol Bank	Luzerne	210,11	1	1	1	11,012 w	1	•	207	77	1	1
Assa Breaker	Luzerne		,	-		1	,		240	7	-1	1
District Total		153,379	258,323	102,744	1,217	515,663	48,625	1,950	189	179	1	56

				Product	Production - net tons	tons		Pounds					
		•			Sold	Used at		permis-				_	Non-
		**	Shipped to market	market :	to	colliery	••	sible ex-	Pounds			Fatal	fatal
			By	By s	local	for steam	Total :	plosives	dynamite	Days	Empl- acci-		acci-
Orerators	Overators and Collieries	County	railroad	truck:	trade	and heat	production: used	nsed	nsed	worked	oyes dents		dents
	All coal prepared at Ace Cleaning Ph. Mirect sales and the coal prepared at Lore Breaker (5,156 tons prepared at Huber Breaker (5,156 tons prepared at Huber Breaker (1,150 tons prepared at Huber Breaker 1,150 tons prepared at Robards Breaker 1,150 tons prepared at Nodell Washers (1,150 tons prepared at Nodell Washers (1,150 tons prepared at Nodell Washers (1,150 tons prepared at Aroos Cleaning 15,127 threet Sales (1,150 tons prepared at Vedell Washers (1,150 tons prepared at Washers (1,150 tons prepared at Mario Reaker 1,150 tons prepared at Mario Reaker	Mill onl prepared at kee Cleaning Plant.  Mill onl prepared at the Remeaker  55,166 tons prepared at the Remeaker  56,166 tons prepared at the Remeaker  16,166 tons prepared at the Remeaker  16,160 tons prepared at the Remeaker  16,576 tons prepared at the Remeaker  16,576 tons prepared at the Remeaker  16,576 tons prepared at the Maria Breaker  17,160 tons prepared at the Maria Breaker  18,160 tons prepared at the Maria Breaker  18,271 birect Stales  18,271 birect Stales  18,272 birect Stales  18,273 tons prepared at Remeaker  18,275 tons prepared at Remeaker  18,575 tons prep	nd Manticoke				(o) 183 ton 1,000 tu e. 1,000 tu e. 2,891 tu e. 2,991	113 tons prepared at Bohade Breaker (1931 tons prepared at Bohade Breaker Cassed queerations in May, 1956 at 391 tons prepared at the Breaker 13,655 tons prepared at the Breaker 13,655 tons prepared at the Breaker Cassed operations in danuary, 1966 at 133 tons prepared at Raymond Breaker 1,463 tons prepared at Kasse Breaker 1,463 tons prepared at May Breaker 1,463 tons prepared at May Breaker 1,463 tons prepared at May Breaker 1,567 tons prepared at Pende Breaker 1,657 tons prepared at Pende Breaker 1,657 tons prepared at Pende Breaker 1,658 tons prepared at Pende Breaker 1,559 tons prepared at Pende Breaker 1,259 tons prepared at Breaker 1,259 tons prepared at Breaker 1,259 tons prepared at Bende Breaker 1,250 tons Breaker 1,25	the Pentrook at Bolands at Rollands at Bollands at the Company of the Pentrook at the Pentrook at the Pentrook at Waddell at Taylor in Pentrook at Waddell at Pentrook at Waddell at Taylor in the Taylor in t	Breaker  Breaker  Cleanti  Breaker  Breaker  Cleanti  Breaker  Breaker	ng Plan Plant ly, 1966	42	
				Dis	District 6								
Bartoli Constructi Nanticoke Banks	Bartoli Construction Co. Nanticoke Banks	Luzerne	1	7,418		1	7,418 a	1	1	207	3	1	1
Aumadale Banke	Amendale Banks	Transmission	1 038	017	רסב ר	c	9 830 h			٣	V		
Wanamie	Avondale banks Wanamie Colliery	Luzerne Luzerne	94,947	54,533	95,255	24,5	244,980 c	250,125		5ft3	109		63
MALITOL	Total	Luzerne	1,002	5/2 44 418	1,005	250	2500 C	250.125		8	1,15		63
Clarafoni	Clarafoni Coal Co., Inc.		11/62/	201000	11001	1/1	2/262/2	72000					1
Clarafoni Slope	Ciarafoni Slope	Luzerne	1,220	2,182	596	3	3,701 d	3,875		011	18	1	ı
No. 3 Slope	ope	Inzerne	212,650	385,166	65,128	155	663,099 e	618,750	15,700	24,1	455	1	79
No. 9 Slope	ope	Luzerne	η,016	7.170	7.152	7	18.315 f	19,625	,	218	17	•	9

			Product	Production - net tons	tons		Pounds					
		: Shipped to market	o market :	Sold	Used at colliery		permis- sible ex-	Pounds			Fatal	Non- fatal
Operators and Collieries	County	: By	By : truck:	local	for steam and heat	Total : production:	plosives	dynamite	Days		Empl- acci-	acci-
L.J.B., Inc. No. 5 Banks	Luzerne	7,854	11,382	5,860	103	25,199 g	1		82	10	'	'
Wanamie Silt Bank	Inzerne	1	210,848	ı	1	210,848 a	1	1	237	6	1	1
Scranton Excavating Co. Glen Lyon Banks	Luzerne			148	1	148 h	1		77	7	1	٠
No. 6 Banks	Luzerne	403	1	2,597	1	3,000 1	1	1	57	10	1	١
Glen Lyon Breaker	Luzerne	1	1	-	1	1			261	106	1	2
District Total		323,120	489,619	178,732	520	1,182,056	892,375	15,700	236 :	236 1,047	н	155
WOTE: (a) All coal shipped upprepared to United Gas Improvement Hunlock Plant.  1,520 tons prepared at their Preader - Instrict 5  1,520 tons prepared at Lore Breaker - Instrict 5  (c) All coal prepared at Lore Preader - Instrict 5  (d) All coal prepared at Coal Preader - Instrict 5  (e) 1,575 tons prepared at Clan Igon Breaker.  (e) 1,575 tons prepared at Clan Igon Breaker.  5,525 tons prepared at Clan Igon Breaker - Instrict 5  5,526 tons prepared at Man Igon Breaker  13,626 tons prepared at Rassa Breaker - Instrict 5  13,626 tons prepared at Penhrook Breaker - Instrict 5	pared to United Ga Huber Breaker – D Joree Breaker – Mal Huber Breaker – Mal Jen Hyon Breaker – Ma At Gen Igon Break at Glen Igon Break Huber Breaker – D Kassa Breaker – D Kassa Breaker – D	s Improvement He father 5 starter 5 starter 5 triet 5. triet 5. er	mlock Plant.			(f) 5,23h to 7,398 to 7,398 to 7,398 to 18, 18, 20,396 to 13,285 to 3,000 to 3,000 to 10,000 to	5,234 tons prepared at tilen hyen Breaker - District 5 5,730 tons prepared at these Breaker - District 5 7,396 tons prepared at Penbrook Breaker - District 5 7,396 tons prepared at Penbrook Breaker - Bistrict 5 5,65 tons prepared at Bell Air Breaker - Histrict 5 5,000 tons prepared at Mary E. Breaker - Histrict 5 5,000 tons prepared at Mary E. Breaker - Histrict 5 5,000 tons prepared at Mary E. Breaker - Histrict 5 5,000 tons prepared at Mary E. Breaker - Histrict 5 5,000 tons shipped unprepared to T. Histrict 5 1,000 tons shipped unprepared to T. Histrict 5 1,100 tons prepared at Pen Air Breaker - Mistrict 5 1,110 coal prepared at Pen Air Breaker - Mistrict 5 1,110 coal prepared at Rassa Breaker - Mistrict 5	at Glen ly at Huber B at Fenbroo aled durin Bel Air Br at Glen ly at Harry at Kassa H unprepared t Bel Air B	on Breaker - k Breaker - k Breaker - con Breaker - con Breaker - E. Breaker breaker - to Merck reaker - Daker - E.	er Distri r - Dis er, 196 Mistric er - Di Mistri Chemic Mistri	trict 5 trict 5 t 5 t 5 t 5 t 5 t 5 ct 5 ct 5 ct 5	10
Allowed Cond Co			Dist	District 7								
No. 1 Slope	Schuylkill	1	195	169	1	886 a	200	1,375	141	70	1	٠
eak	Schuylkill Schuylkill	1,679	6,233	7,773	1 1	15,685	1 1	1 1	113	16	1 1	1 1
P D Mariana Co		1,679	6,233	7,773		15,685 b				21	1	
B-D Fine Coal Plant Gilberton Bank St. Micholas Slush Bank Total	Schuylkill Schuylkill Schuylkill	14,960 116,956 191,956	2,212 5,871 8,083			47,172 152,827 199,999 c		1 1 1	247 521 196	36 9 8	-	7 - 17
Blaschak Breaker Skidmore Slope	Schuylkill Schuylkill		1 1	1 1	1 1	11	1.1	1 1	217	- 28	1 1	7 -
Total										28	1	1

			Product	Production = net tons	+ one		Pounds					
		Shipped to market	o market :	Sold	Used at		permis- sible ex-	Pounds				fatal
Operators and Collieries	County	: By	By : truck:	trade	for steam and heat	rotal : production:	plosives	dynamite	worked	oyes	empl- acci- oyes dents	dents
Brook Contracting Co. Stockton Bank	Luzerne	1,73	246	1,071	1	2,491 e		1	62	6		1
Buckley Coal Corporation Buckley Breaker	Luzerne	٠	1	. '	1		1	ı	226	27	١	•
Capparell Coal Co., Inc. Rosa Breaker		•			1	1	1	ı	242	37	١	1
Capparell Stripping & Construction Co., Kehley Run Bank Kohinoor Bank	Schuylkill Schuylkill	2,379	2,099	2,1449	72 72 588	6,999			87.73	* 0	- 1 - 1	2 1
William Penn Bank Total	Schuylk111	16,984	14,998	21,935	274	49,606 62,338 f			217	23*	- -	7/1
Coleby Coal Co., Inc. Candleton Bank	Schuylkill	58,173				58,173			184	9,	1	
Candleton Breaker Total	Schuylld11	58.173		1		58.173 0	-		187	120	1	1
Dicasimirro Contracting Co. Pleasant Hill Bank	Schuylkill	64	32	62		167 h	1		크	m	'	'
Farace Coal Co., Inc., J. Jr. Junedale Bank	Carbon	1,001	1,886	2,000	,	4,887 b	1	1	26	7/	٠	
Forgotch brothers Coal Co. Buck Mountain Slope	Schuylldll	1	56	309	1	365 1	175	200	310	2	1	
No. 7 Little Buck Slope	Schuylk111	•	302	2,418	•	2,720 j	1,600	900	182	7	1	2
Jenerose coal co., J.	Carbon	5,770	1,652	2,701	1	10,123 k	1	•	150	9	1	1
Gowen Breaker Gowen Cleaning Plant	Luzerne				1.1	1 1	1 1	1 1	166	7	1 1	
Total					-		-			18	-	
Hard Top Coal Co., Inc. Wiggans Bank	Schuylkill	,	75	619		673 1	'	١	83	2	'	
Honeybrook Breaker Honeybrook Breaker	Schuylkill	•		ı	1	1	ı	ı	83	23	1	п
Beaver Brook Fine Coal Plant George Huss Culm Bank Total	Luzerne Luzerne		23, 34,9			23,349			218	220		- 1
Jeddo-Highland Coal Co. Highland No. 5 Banks	Luzerne	134,774	1		174	134,948			239	80		-
Highland No. 5 Breaker Jeddo No. 7 Breaker	Luzerne	1 1	1 1	1-1	1.1	. 1 1,	1 1	1 1	223	25	н.	1 70

			Product	District 7	tons		Pounde					
			-	Sold	Used at		permis-					Non-
		s Shipped to market	By :	to	colliery for steam	Total :	sible ex- plosives	Pounds	Days	Emp1-	Fatal Empl- acci-	fatal acci-
Operators and Collieries	County	: railroad	trucks	trade	and heat	production:	nsed	nsed	worked	oves	dents	dents
Jeddo No. 4 Bank	Luzerne	277	225	70	7	576	1	1	9	2	ı	1
Total		135,051	225	70	178	135,524 n	1			26	7	0
No. 4 Slope	Carbon	325	3,001	5,181	٠	8,507 0	7,500	200	234	77	1	1
Lee Coal Co., Inc., J. F. Drifton No. 1 Slope	Luzerne	4,883	9,764	11,049	,	25,696 e	9,000	,	225	12	ı	1
Lehigh Valley Anthracite, Inc.	Turanna	Ç2 321		22		50 31.3			160	α		
Hazleton Shaft Breaker	Luzerne	72,724		3 1		C#C 63C			000	77		
Hazleton Shaft Bank	Luzerne	42,069	42,048	11,291	974	96,382		1	225	- 10		٠,
Hazleton Shaft Bank LA	Luzerne	18,627	. 1	7	1	18,634	•	ı	26	7	1	,
Hazleton Shaft Cleaning Plant	Inzerne	1 6	ı		,	1 9		ı	107	27	ı	,
Hazleton Shaft Silt Bank	Luzerne	32,848		13	ı	32,861	,	ı	79	7	1	-
Hazleton No. 1 Silt Bank	Luzerne	27,256		=======================================		27,267	ı	ı	12	91	1	
Manager Bank	Luzerne	000	7 50	707 00	1 -	0,000	ı	ı	177	30	1	- «
Morea Breaker	Schuylkill	2,990	20° 512	000,00	2 4 6	101,209			240	o y		2 -
Total		179,119	98,263	49,930	1,444	328,756 p			247	176	1	10
Locust Valley Coal Co., Inc.			į	1								
Mahanoy City Bank	Schuylkill Schuylkill	810	653	915	ı	2,378	ı	ı	77.	N a	1	ı
TOTAL DISCRET	Scring LKLLL	0.00	45.5	1 0		0 278 0	-		777		1	1
Makaimik Coal Co.		OTO	020	717		6,510 9	1	1		PF	1	1
Kehley Run Bank Marko Coal Co.	Schuylkill	162	009	829	1	1,591 r		1	102	2	ı	
Buck Mountain Slope	Schuylkill	1	649	2,299	1	2,948 a	175	1	77	7	1	1
Made Maine	Schuylkill	,	1	ı	1	1	1	1	310	~	1	٠
Wharton Slope	Carbon	1	72	378	1	450 s	720		120	7	ı	1
Mohan Coal Co., J. E.												
East Bear Ridge Bank Olman & Co.	Schuylkill	332	1999	752	1	1,748 e			92	N	1	
Buck Mountain Slope	Schuylkil	ı	ı	865	1	865 t	200	1	248	~	1	1
Maizeville Bank	Schuylkill	4,504	3,378	3,378	1	11,260	•		82	эķс	•	1
St. Micholas Railroad Bank	Schuylkill	1,927	1,445	1,445	-	4,817	1	1	30	3*	1	1
Pleasant Hill Coal Co		0,431	4,823	4,823		16,077 u		-		~	1	1
Skidmore Drift	Schuylkill	38	183	1,325	1	1,546 v	875		177	70	1	1

			Product	Production - net tons	tons		Pounds					
			**	Sold	Used at		permis-					Non-
		s Shipped to market	market :	to	colliery		sible ex-	Pounds			Fatal	fatal
Owaratore and Collieries County	>	By By	By :	local	for steam	Total :	plosives	dynamite	Days		Empl- acci-	acci-
1k	ne.		82,471		1	82,471	1	,	263	12	1	1
Jeanesville Bank	ne.	η69	1,387	1,570	1	3,651	1	1		**		ı
Total		769	83,858			86,122 w	1			12		1
e Co.												
	Schuylkill	352	1	1	1	352	1	1	⇉	7	1	1
14	Schuylki 11		1	1			ı	1	98	Ħ	1	CJ
	Schuylkill	151,308	50	1	1	151,328	,	,	506	7	1	2
St. Micholas Fine Coal Plant Schuy	Schuylkill		,	1			1		506	59	1	1
Total		151,660	50		-	x 089,121	-			58	1	7
rer	Schuylki 11			1	1	1		1	ı	ı	1	ı
	Schuylkill		1,355	1,604	1	2,959	1	1	34	~	1	1
Total			1,355	1,604	1	2,959 y				3	1	1
oration												
Starwood Breaker Schuy	Schuylkill	ı	ı		ı	ı	ı	ı	307	7	1	
			d			100			,	(		
Trenton Coal Co.	ne.		20	F	ı	Ly5 aa	ı	ı	0	7	1	ı
Slope	Schuylkill	1	132	069	1	822 s z	z 150	1	92	7	1	٠
£.	Schuylkill		1		ı	1	1	ı	248	2	1	
									1			
Wesner Breaker Schuy	Schuylkill		-	-	-	-	1	-	526	~	1	-
District Total		759,878	265,974	121,972	1,896	1,149,720	20,325	2,975	171	969	1	34
MOTE: (a) All coal prepared at Mazaikza Breaker. (b) All coal prepared at Hongvioro Breaker. (c) All coal prepared at Hongvioro Breaker. (d) Singe used for pumping only. (e) All coal prepared at Blaschak Breaker. (f) All coal prepared at Roas Breaker. * Men transferred from Keyley Run Bank to William Fenn Banks (All coal prepared at Roas Breaker. (h) All coal prepared at Roas Breaker. (l) Sob toms prepared at Starwood Breaker. (l) Sob toms prepared at Starwood Breaker. (s) Long prepared at Mazaika Breaker. (s) Care Breaker at Starwood Breaker. (s) Care Breaker at Starwood Breaker. (s) Care Breaker at Starwood Ereaker. (s) Care Breaker at Starwood Ereaker. (s) Care Breaker at Starwood Ereaker.	ker. Treaker. Il Plant. * * * * * * * * * * * * * * * * * * *	.111am Penn Ba	ıks			(k) All coa (l) All coa (m) All coa (m) All coa (m) All coa (n) 576 ton (o) All coa (p) 36,736 (p) 36,100 (p) 111,105 (p) 111,	11 prepared 11 prepared 12 prepared 13 prepared 13 prepared 14 prepared 15 tons prepared 16 tons prepared 16 tons prepared 17 tons prepared 18 prepared 18 prepared 19 prepared 10 prepared 10 prepared 10 prepared 11 prepared 12 prepared 13 prepared 14 prepared 15 prepared 16 prepared 17 prepared 18 prepared 19 prepared 10 prepared 10 prepared 10 prepared 11 prepared 12 prepared 13 prepared 15 prepared 16 prepared 17 prepared 18 prepare	All coal prepared at Buckley Breaker. All coal prepared at Starrood Breaker. All coal prepared at Starrood Breaker Starrood Breaker. All coal prepared at Beaver Brook Fine Coal Plant, 131,936 known prepared at Highland Mo. 5 Breaker Fife town prepared at Jeddo Mo. 7 Breaker Brait Coal Fire Fire Fire Coal Fire Fire Coal Fire Fire Coal Fire Fire Fire Fire Coal Fire Fire Fire Fire Fire Fire Fire Fire	reaker. Dreaker ook Fine and No. 7 Breaker aker - 1 on Shaft No. 7 Br Breaker Breaker i Breaker ile Break	e Coal 5 Brea ker Distric 1 Break reaker re	Plant. aker ct 5 ker Breaker	

			Product	Production - net tons	tons		Pounds					
			*	Sold	Used at		permis-					Non-
		Shipped to market	market :	to	colliery	Total	sible ex-	Pounds				fatal
Operators and Collieries	County	: railroad	trucks	trade	and heat	production:	plosives	dynamite	Days	Empl- acci-	1 4	acci-
NOTE: (r) 1,515 tons prepared at Blaschak Breaker 76 tons prepared at Rosa Breaker (s) All coal prepared at Wesner Breaker.	: Blaschak Breaker ssa Breaker Wesner Breaker.					(w) 82,471 tons shipped unprepared to PP & L plants. 3,651 tons prepared at Blaschak Breaker. Coal on since 1967 at Blaschak Breaker. Jeanesville Banl	89,471 tons shipped unprepared to PP & Lipianis ven 3,551 tons prepared at Blaschak Meseker. Coal on stock 31,051 tons prepared at Blaschak Preaker. Jeanesville Bank did	umprepared at Blascha hak Breaker	to PP &	breaker. Coal on stoo	n st	ock 1
(t) All coal prepared at Mountainzi de Breaker - District 12.  (u) All coal prepared at Handrath Breaker - District 12.  * Wen transferred from Malacrille Bank to St. Micholas Railroad Bank  (v) 1,346 tons prepared at Starwood Breaker  200 tons prepared at Blaschak Breaker	Yountainside Breaker Jackheath Breaker – Waizeville Bank to Si t. Starwood Breaker Slaschak Breaker	- District 12. District 12.	[]road Bank			not oper (x) All coal (y) 2,516 to 44,13 tons Skyrop B (z) Ceased o	ont operate in 1968. All coal prepared at St. Micholas Fine Coal Flant, 2,556 tons prepared at Walley Breaker All coal prepared at Walley Breaker Mython prepared at Maralian Breaker Skytop Breaker was destroyed by Cire on January 8, 1968, All coal prepared at Maralian Freaker Mython Breaker was destroyed by Cire on January 8, 1968, All coal prepared at Walley Freaker	t St. Miche at Valley t Mazaika I destroyed I n May, 1966	olas Fine Breaker Breaker by fire on 3.	Coal Pl	ant. y 8, 19	. 998
			Dist	District 8								
A.D.G. Coal Co. Buck Mountain Slope	Columbia	301		3,461	1	3,762 а	1,675	1	254	7	- 1	- 1
Botello Coal Coal Co., James Packer No. 3 Bank	Schuvlkill	7.402	14,803	16.752	,	38.957 b	ı	ı	185	~	1	1
Bridy, Inc.	Northumberland		,		,		-1	1	19	9	- 1	- 1
Burnrite Coal Co.		-	70 1 11	000	a	000	0		760	t		
C. & P. Coal Co.	Columbia	747	11,400	259	0	12,070 c	7,70		2/0	_	ı	١.
Bellmore Drift	Columbia	297	1,987	34	1	2,318 d	1,150	1	136	70	1	1
No. 5 Vein Slope	Northumberland	1 18	1,318	378	1	1,714 e	850	1	192	٣	1	٦
Buck Mountain No. 2 Slope	Schuylkill	682	1,034	1917	22	2,199 f	1,050	1	232	3	1	1
Seven Foot Vedn Slope	Columbia	1	1	1	ı	1	1	1	80	70	1	1
Gangloff Brothers Richards Bank	Northumberland	312,283	87,243	٠	ı	399,526 g	1	1	264	7	1	1
No. 2 Slope, No. 2 Lykens Vein	Northumberland	183	1,235	2,028	31	3,477 h	1,625	1	212	72	1	1
Buck Mountain Slope	Schuylkill	9	315	1,299	1	1,621 1	875	1	277	9	1	٦
Buck Mountain Slope	Schuylkill	77	305	306	2	690 j	345	1	156	7	1	1
Centralia Bank	Columbia	500	911	711	3	363 k	1	1	59	2	1	1
Luke Fidler Bank Lehigh Valley Anthracite, Inc.	Northumberland	1 82	1	938	1	1,020 a	1	1	33	7	ı	- 1
Mammoth Breaker	Schuylkill		1	1	1	1	1	ı	208	92	- 1	7

District 7

			Producti	District 8 Production - net tons	tons		Pounds					
		Shipped to market By By	market : By :	Sold to local	Used at colliery for steam	Total	permis- sible ex- plosives	Pounds	Days	Emp1-	Fatal Empl- acci-	Non- fatal acci-
Operators and Collieries	County	railroad	truck:	trade	and heat	production:	nsed	nsed	worked	oves	dents	dents
M. & J. Coal Co. Centralia Bank	Columbia	1,70	,	112	9	588 1	100	1	18	2	1	-1
M. & P. Coal Co.												
Sayre Bank	Northumberland	73	899	ı	W	948 ш	ı	ı	775	2	1	ı
M. & S. Coal Co.				;								
Holmes Slope	Columbia		2,163	998	77	3,033 п	2,750	300	252	7	ı	ı
Marion Mining Co., Inc.		010	00	11		000	,	0	0	ć		
Clearing Plant	Schuylkall	0,249	12,490	747 747		32,009	002.00	9,100	212	22 -	1 1	N 1
Total		6,249	12,498	14,142		32,889 b	6,200	9,100	1	27	1	2
Mickey Coal Co.		ä	1							,		
Diamond Slope	Schuylk111	840	570	7,620	ı	0000,9	3,260	1	224	N	ı	ı
Morack coal co.	Columbia		2.078	ROB		2.886 n	2.050	1	192	-		
P.M. Coal Co.						4			ì	t		
Centralia Bank	Columbia	158	92	37	~	287 k	1	1	143	~	1	1
Polocovich Coal												
Seven Foot Vein Slope	Columbia	7,371	4,289	1,608	134	13,402 k	12,500	ı	234	œ	ı	ı
No. 6-7 Vein Slope	Northumberland	106	,	1.216		1.322 a	750	,	213	m	١	١
Ron Lee Coal Co., Inc.												
Buck Mountain Slope	Columbia	803	1	9,229	•	10,032 a	7,000	•	228	00	1	ı
State Breaker	Monthimbonlond							1	278	10		¥
Richards Bank	Northimberland	37.882	510.09	22.875		122.970			278	33		10
Total		37,882	62,213	22,875		122,970 q		-		52		2
Sun Coal Co., Inc.												
Diamond Breaker	Northumberland			1	1	1	1	,	199	12	1	1
Diamond Bank	Northumberland	808	192	ı	10	1,010	1	1	30	~	1	
Total		808	192		10	1,010,1	-	-		15	٠	
Swamp Coal Co.	Nonthimberlend					77			α	٣		
White Birch Coal Co.	TOTAL STIMUTE TOTAL				,	k				`		
Buck Mountain Slope	Schuylkill	-	,	1		# -	-	,	148	2		1
District Total		376,309	204,806	81,740	229	480,599	51,930	9,400	204	279	1	18

(a) All coal prepared at Split Vein Breaker - District II.
(b) All coal prepared at Blaschaf Breaker - District 7.
(c) II.281 tons shipped direct to Merck Chemical Co.
769 tons prepared at Hoover Breaker - District II

NOTE:

<sup>(</sup>d) 1,128 tons prepared at Glen Burn Breaker - Instrict 10 1,110 tons prepared at Nee Reaker - Instrict 11 80 tons prepared at 0. & Z. Breaker - Instrict 11

Non- fatal acci-	dents		·	ı	1	ı	1	1	ı	1	- 1	1	1	1
Fatal Empl- acci-	oves dents Historic 1. Histori		70	8	- 7	- 7	72	- 7	- 7	- 7	20 20		5	
Days Emp	worked over eaker - Ins eaker - Ins eaker - Ins iales - Ins Breaker - Ins reaker - Instr ker - Instr ker - Instr ker - Instr ker - Instr ker - Instr		312	312	ф9	37	213	22	98	273	232 1	159	182	136
	wor th Break and Break Burn Sale Sun Sale ft Break skd Breaker Breaker Breaker Sun Coa													
Pounds	used  at Mammoth  at Diamoth  at Diamoth  at Glen B  at Swif  at S		'	1	1	'	1	'	'	1		1	'	
permis- sible ex- plosives	used worked oversigned in used worked oversigned on the State of the S		8,825	ı	200	009	2,500	1	750	670	10,250	1		-
: pe Total : pl	Wooduction. Used acreed over definition of All coal prepared at Dumonth Resider - Maintiet 6.  (A) All coal prepared at Dumond Resider - Maintiet 6.  (A) All coal prepared at Dumon Resider - Maintiet 6.  (B) All coal prepared at Almond Resider - Maintiet 10.  (B) All coal prepared at Saffit Resider - Maintiet 10.  (A) All coal prepared at Saffit Resider - Maintiet 11.  (B) All coal prepared at Saffit Resider - Maintiet 9.  (P) All coal prepared at Saffit Resider - Maintiet 19.  (P) All coal prepared at Saffit Resider - Maintiet 11.  (T) Manond Sesider changed to Sun Coal Co., Inc. in August, 1966 - worked 48 days - 19 employes under Manond Resider changed to Sun Coal Co., Inc. in August, 1966 - worked 48 days - 19 employes under Manond Coal Co.		8,270 a	۹ ،	558 c	p 056	3,640 e	1,909 f	1,688 g	4,956 h	13,283 1 29,562 3 42,845	159,728 k	1	3,898 1
Used at colliery for steam	and heat		1	ı	ı	6	23	1	,	917	59 54 113	1	,	
Sold to local	trade	District 9	858	,	530	777	2,278	1	1,283	779	8,520 6,467 14,987	ı	1	1
rket : By :	truck:	Disti	7,152	1	28	304	010,1	1,700	157	1,521	1,872 10,147 12,019	159,728	1	1,598
Shipped to market By By	railroad fot 11 fot 11 for - District 5 rate 11 for 11 for 11 for 11 for 12 rate 7 rate 9 for 11 for		260			523	329	500	248	2,610	2,832 12,894 15,726	-	1	2,300
''	and Collitties.  Lead to Maintenant County Trailing A Source of the August Trailing A Source prepared at D.M.T. Breaker - Instituti II 1866 tons prepared at D.M. C. Breaker - Bathict II 1860 tons prepared at Reichmein & Beury Breaker - Mathict II 1862 tons prepared at Reichmein & Benker - Institut II 1862 tons prepared at South Breaker - Mathict II 1962 tons prepared at Started Breaker - Bistrict 7 1900 tons prepared at Started Breaker - Institut II 1960 tons prepared at Started Breaker - Mathict II 1960 tons prepared at Reichmein & Beury Breaker - Mathict II 1910 tons prepared at Schilt Wein Researe - Mathict II 1910 tons prepared at Schilt Wein Breaker - Mathict II 1910 tons prepared at Schilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons prepared at Spilt Wein Breaker - Mathict II 1910 tons II 1910 tons II 1910 to		Northumberland	Schuylkill	Northumberland	Northumberland	Northumberland	Northumberland	Columbia	Columbia	Northumberland Northumberland	Northumberland	Schuylkdll	Schuylkdll
	ro l		U.Co.	_	No. 9 Vein T.S. Slope *	Slope *	Primrose S. D. Slope	Excelsion Bank *	Slope	Locust Run Slope	Mammoth Vern Tender Slope Locust Gap Bank Total	Scott Bank	Kerrigan Washery	Milersville Bank Total
	Operators (Y)		AL-Mar Coal Co. No. 2 Slope	Ploneer Tunnel	No. 9 Vein T.S.	No. 127 Slope *	Primrose	Excelsion Bank	Merriam Slope	Locust Run Slo	Mammoth Locust G	Scott Bank	Kerrigan	Milers

			Product	District 9 Production - net tons	tons		Pounds					
	** *	Shi bear		Sold	Used at		permis-	-			1	Non-
County	.'	By railroad	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	Empl - acci-	acci-
Northumberland	erland	902	1	3,916	ı	4,122 c		'	277	~	'	1
Columbia		354	506	78	9	644 d	350	1	39	13	1	1
Schuylkill	ч	1	ı	1	ı	1	ı	1	305	7/	1	1
Schuylkill	п	1,007	757	759	1	2,523 m	1	1	37	~	1	1
Columbia		787	1,58	171	77.	1,430 d	3,400	1	131	77	1	1
Northumberland	rland	ı	810	315	•	1,125 n	740	1	120	3	1	1
Kanshaw Transportation & Auto Wreckers Co. Locust Gap Bank Northumberland	land	10,035	11,819	ı	91/1	22,300 0	1	1	182	3	1	1
Northumberland	land	1		·	1	d -	1	1	218	9	1	1
Schuylkill		1	,	1	1	,	1	1	307	7	1	1
Northumberland	land.	189	1	3,593	1	3,782 c	1,200	1	247	7	1	1
Northumberland	land.		,	1	•	1	,	1	250	9	1	1
Northumberland	land	-	-	-		b -	-	-	520	7	1	1
		-			-						1	1
Columbia		754	1442	382	13	1,591 r	2,500	1	246	3	1	1
Schuylkill	1	1,287	895	1	1	2,182 1	1	1	37	1	1	1
Northumberland	rland	318	3,784	2,976	16	7,094 8	8,450		309	9	1	1
		37,142	204,388	33,019	989	275,235	42,435	1	192	130	1	2

3,066 tons prepared at Swift Breaker - District 11 5,204 tons prepared at D. & Z. Breaker - District 11 No production (a) NOTE:

@ **@ @** 

All coal prepared at D. & Z. Breaker - District 11 All coal prepared at Wamouh Breaker - District 8. 2/201 tons prepared at Bar Wes Breaker - District 10 Sld tons prepared at Safit Breaker - District 10 Sld tons prepared at Safit Breaker - Bistrict 10 District 10 District 10 District 10 District 10 District 11 Distri

150 tons prepared at D. & Z. Breaker - District 11 63 tons prepared at Reidinger Breaker - District 11 All coal prepared at Atlas Washery - District 8 (e) (F)

1,662 tons prepared at Malho Breaker Cons prepared at Mannoh Breaker - Instrict 8 1,672 tons prepared at Mannoth Breaker - Instrict 8 846 thons prepared at Malho Breaker 512 tons sold locally unprepared 2,667 tons prepared at Blaschak Breaker - Instrict 7 (h)

													1		
Non- fatal			- 1	1	1	1	1	1	1	1	1	1 7	2	7	1
	dents 11. 11. 11. 11. 11. 11. 11. 11. 11. 11		1	1	1	1	1	1	1	1	1		-	1	1
Fatal Empl-acci-	oves strict Batric her Bre - Batr - Batr strict Batric Batrict Batrict Batrict		10	7	77	3	70	3	7	C/	9	~ 17	22	50	3
Dave	worked owes denis and the mistrate II. alery - Bistrate II. alery - Bistrate II. aler at other Breakers - Bistrate Breaker - Bistrate Breaker - Bistrate Breaker - Bistrate II. wasker - Bistrate II. aker - Bistrate II.		209	264	222	175	275	270	222	38	234	8,8		233	242
Pounds	Used Swift Break Ranshaw Was Ranshaw Was At Mamoth E ta Bar Mac E Glen Burn B Legal Break Starwood Br Starwood Br Starwood Br Reidinger E Reidinger E Reidinger B		ı	059	ı		1	1	1	ı		,			
Pounds permis- sible ex-	ared at coading of pared at ared at tred at Fions in		2,400	950	2,225	200	009	3,600	2,225	ı	2,400		-	14,500	750
Total : S	B		15,580 a	6,285 b	4,331 b	o 069	p 000'6	4,708 e	l,569 e f	e 069	3,853 c	3,695	3,695 g	10,243 g	700 h
ons Used at colliery for steam	*		155	1	٦	1	2	1	1	1	1		1	1	
Production - net tons Sold User Ket : Sold User By : local for	trade	District 10	313	069	475	635	1,820	1,319	475	ı	1,079	149	149	310	1
Productic	truck:	Mstr	14,022	5,217	3,595	35	7,178	3,389	3,879	959	2,774	2,660	2,660	7,273	700
Pro Shipped to market By	i ralload Bastnet 11 District 11 Strict 8 Bastnet 8 Bastnet 7 Breaker - Matri strict 11 Bastnet 11 Bastnet 11 Bastnet 11 Bastnet 11 Bastnet 11		1,090	377	560		1	1	77.2	35	1	9886	988	2,660	,
!! .	COUNTY  The Preaker - Dis Age Preaker - Dis Age Preaker - Dis Dis Age Preaker - Dis		Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland Northumberland		Northumberland	Northumberland
	Operators and Collieries  County  (5,709 tons prograved at Dar Nac Mereken - District II  (5,709 tons prograved at Silcheum Reseker - District III  (8) the tons prograved at Silcheum Reseker - District B  (9) the Silcheum Reseker - District B  (1) the Silcheum Prograved at Dismond Reseker - District B  (2,553 tons prograved at Dismond Reseker - District B  (1) the Silcheum Prograved at Disserbak Reseker - District II  (A) tons prograved at Basechak Reseker - District II  (b) tons prograved at Bar Nac Silcheum Reseker - District II  (k) All coal prograved at Silcheum Reseker - District II  (k) All coal shipped direct to F-F-81. Co.  (1) All coal prograved at Ker Reseker - District II  (m) All coal prograved at Kernigan Wester P.  (m) All coal prograved at Kernigan Wester P.		Alarcon Coal Co. No. 3 Slope	No. 2 Slope	No. 4 Slope	No. 9% Vedn Slope	Zero Vein Slope	No. 4 Rock Slope	No. 5 Rock Slope	Purnaide Bank	No. 7% Utili Slope No. 7% Utili Slope Glan Burn Colliform Inc	Tharptown Bank Glen Burn Breaker	H. & S. Coal Co.	Glen Burn Drift	No. 5 Vein Rock Slope

	Non- fatal acci-	dents	1	2	1	1	1	1	1	1	1	1	1	1	1	1 44	1	1	1	1	13
	Fatal Empl- acci-	oves dents	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
<u>Matrict 10</u> Production = net tons	Emp1-	oves	m	77	0	77	7/	2	9	2	~	70	77	Ħ	N	9 7 01	13	ε.	ς,	7	212
	Days	worked	20	173	180	250	225	249	255	135	240	270	306	300	268	302	270	240	158	296	231
	Pounds	nsed	1	1	200	ı	1	ı	1	1	1	1	1	1	1	1 1	1	1	1	1	850
	permis- sible ex- plosives	nsed	100	1,700	425	1,050	10,000	1,200	3,850	2,700	700	7,500	•	1	2,900	12,400	1	2,500	250	4,150	82,275
	Total	production:	33 e	5,543 b	1,225 e	3,685 b	13,800 1	1,854 c	13,553 3	5,027 b	2,205 k	7,328 €		,	5,957 b	17,147 3,619 20,7661	٠	2,196 b	1,600 e	7,060 m	156,176
	Used at colliery for steam	and heat	1	ч	1	П	П			1	1		,	•	٦.			П	1		167
	Sold to local	trade		019		405	1,518		3,795	552	2,028	292		ı	099	12,712 3,329 16,041	٠	241	1	1,977	35,384
	market : By :	truck:	33	4,600	1,164	3,058	11,454	1,762	9,758	4,172	ı	5,261	,		4,936	1,329	1	1,822	1,600	5,083	107,429
	Shipped to market By By	railroad	1	332	61	221	827	92	ı	302	177	1,775	,	ı	360	3,105 290 3,395	,	132	1	1	13,196
J		County	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	
		Operators and Collieries	No. 11 Vein Slope *	L. & M. Coal Co. Zero Vein Slope *	No. 3 Slope	No. 3 Slope	Trevorton Slope	No. 10 Vein Slope	No. 1 Slope	No. 1 Slope	No. 5 Vein Rock Slope	No. 9% Vein Drift Renshar Anto Woodcong Conl Co	Ranshaw Washery	Carbon Run Breaker	No. Slope	No. 2 Slope * Trevorton Slope * Trevorton Slope *	Sunshine Breaker Sunshine Breaker	Mo, I Slope	West Common Con Co	No. 2 Slope	District Total

		Shipped to market	By :	Sold to local	Used at colliery for steam	Total	permis- sible ex- plosives	Pounds dynamite	Days	Fatal Empl- acci-		Non- fatal acci-
And Collistics and Collistics and Collistics and Collistics and Local prepared at Carbon Run Breaker. All coal prepared at Sundhine Breaker. All coal prepared at Suff Breaker. Dis 2, 312 tons prepared at Suff Breaker. Dis 2, 312 tons prepared at Soliti Vella Breaker. All coal prepared at Suff Substantial Breaker. All coal prepared at Collistics and Substantial Breaker. All coal prepared at Collist Brun Breaker. All coal prepared at Collist Brun Breaker. All coal prepared at Collist Brun Breaker. All coal prepared at Soliti Vella Brun Breaker. All coal prepared at Soliti Vella Bran Breaker. All coal prepared at Soliti Vella Bran Breaker. All coal prepared at Soliti Vella Bran Breaker. All coal breaker at Soliti Vella Branker.	All coal prepared at Carbon Run Breaker.  All coal prepared at Sunkhon Run Breaker.  All coal prepared at Sunkhun Breaker.  All coal prepared at Marchan Breaker.  All coal prepared at Marchan Breaker.  All coal prepared at Sunkhun Breaker.	i reliroad ust 11. strict 11. trific 11 borked 150 . in July, 1968 - bistrict 11.	truck:	trade	and heat	(j) 24 kons prepared at Spilt Veni worked over dents.  1) 24 kons prepared at Spilt Veni worker - Instruct II 1), 529 kons prepared at Spilt Veni Breaker - Instruct II 1), 539 kons prepared at E. A. I. Reaker - Instruct III 6, 532 kons prepared at B. A. S. Breaker - Instruct III 6, 532 kons prepared at B. A. S. Breaker - Instruct III 1, 529 kons prepared at Spilt Veni Reaker - Instruct III 1, 529 kons prepared at Saft E Reaker - Instruct III 1, 529 kons prepared at Saft E Reaker - Instruct III 1, 529 kons propared at Saft E Reaker - Instruct III 1, 529 kons produced by E. A. Cool Co worked 23 men, charged to Spilt Veni Roal Co. 1 to chober, 3), 013 kons prepared at Saft E Reaker - Instruct III 8 Ceased operations in 1968.	Muchlon used  "I tons prepared at Shift Weaker "Bistrict II  11,529 Cous prepared at Shift Weaker "Bistrict II  11,529 Cous prepared at Shift Weaker "Bistrict III  12) Stone prepared at Shift Weaker "Bistrict III  12) Stone prepared at D. & 2. Heaker - District III  13) Stone prepared at D. & 2. Heaker - District III  13,520 tone prepared at Shift Weaker - District III  13,520 tone prepared at Shift Weaker - District III  13,520 tone prepared at Shift Weaker - District III  13,520 tone prepared at Shift Weaker - District III  13,520 tone prepared by E. & T. Coal Co. "Norbed 23 days  14,017 tone prepared to Shift Weak Coal Co. An October, 1968  15,017 tone shipped to Merck Chemical Co., Darville, Pa.  3,013 tone prepared at Shift Breaker - District III  10,620 tone shipped to Merck Chemical Co., Darville, Pa.  3,013 tone prepared at Shift Breaker - District III  10,630 tone shipped to Merck Chemical Co., Darville, Pa.  3,013 tone prepared at Shift Breaker - District III	used  used	worked Breaker - 1 Breaker - 1 Breaker - 1 Breaker - D Filler Sin Breaker - D Coal Co. Coal Co. In Coal Co. In Coal Co. In Sal Co. I	oves de District destrict dest	ents de 11 (11 (11 (11 (11 (11 (11 (11 (11 (11	dents.
			Mat	District 11								
Ace Coal Sales									-	,		
Ace Breaker B. & E. Coal Co.	Northumberland	1		1	1	ı	ŧ		747		ı	ı
Zero Lykens Drift Bank Coal Co., Inc.	Northumberland	1 12	166	22		200 a	75	1	89	~	,	1
10 Vein S. D. Slope Bar Mac Coal Co Inc.	Northumberland	1	14,798	ı		14,798 b	7,500	ı	286	6	ı	1
Bar Mac Breaker	Northumberland		ı	1	1	ı	1	ı	306	æ	ı	1
Rock Slope to 11 Vedn S.D.	Northumberland	1 2,860	9,555	ı	1	12,415 c d	6,400	1	282	7	ı	1
11 Vein N.D. No. 5 Slope D. H. & W. Coal Co.	Northumberland	55	3,179	100	6	3,343 e	1,550	ı	244	70	ı	1
9% Vein N. D. 1 & 4 Slopes D. & M. Coal Co.	Northumberland	1 750	18,740	1,918	98	21,506 f	8,050	1	253	œ	1	1
l Vein S. D. 1 & 2 Slopes	Northumberland	1 256	3,897	691	43	4,665 g	4,100	1	225	3	,	1
D. & Z. Breaker	Northumberland	1	,	1		1	1	ı	279	6	1	~
Diminick Breaker	Northumberland	1	,	ï	1		í	ı	288	7/	ï	2
11 Vein N. D. No. 3 Slope	Northumberland	157	516	1	,	670 c	250	,	108	3	ı	1
11 Vein S.D. 2 & 3 Slopes Orego & Deitz Coal Co.	Northumberland	1 564	15,616	1,037	716	17,311 h	10,800	1	312	11	1	1
9% Vein S. D. No. 2 Slope	Northumberland	959	2,200	,	ı	2,855 c	1,375	,	280	~		

Pounds

			Product i	District 11 Production - net	tons		Pounds					
	***	0.00		Sold	1		permis-					Non-
Operators and Collieries	County	By By Eru	By :	to local trade	for steam	Total :	sible ex- plosives	Pounds	Days	Empl-	Fatal Empl- acci-	fatal acci-
Gudelunas Coal Co. 12 Vein S.D. 3 & 4 Slopes *	Northumberland	228	1	2,625	1	2,853 i		1	298	oyes 2	2 -	dents
H. J. & H. ONI CO., INC. H. J. & H. Breaker II Vein N.D. 1 & 2 Slopes Total	Northumberland Northumberland	206	7,998	378 378	34	8,616 j. 8,616 k	2,684		301	47/0	- 1	
Hoover Mining Co., Inc. Hoover Breaker	Northumberland	ı	ı	1		1	1	ı	306	~	1	1
K. U. Breaker	Northumberland	ı	1	ı	•	•	•	1	133	Μ	1	ı
Targette S. D. Slope	Northumberl and	1	244	ı	•	244 k	200	1	99	3	1	1
Lower Region Washery	Northumberland	ı		ı	•	1	1	1	225	9	1	ı
% Vein S. D. Slope *	Northumberland	37	505	19	9	615 a	300	1	36	7/	1	ı
12 Vein S. D. Slope	Northumberland	1	3,898	ı	•	3,898 k	2,550	1	364	ν.	1	ı
Wein S.D. 5,6 & 7 Slopes	Northumberland	77.	5,925	25	2	5,966 1	3,750		244	9	1	1
h. & L. Wall W.    Pein West Cross Pitch Slope	Northumberland	8	277	37	m	337 a	115	1	59	М	1	1
10 & 10's Veins N.D. 3 & h Slopes	Northumberland	432	10,358	792	72	11,654 m	5,100	•	295	7	1	1
Trevorton Breaker Trevorton Refuse Bank 228 Trevorton Slush Bank 57-1	Northumberland Northumberland Northumberland	3,462	307	1,082	- 1 - 1	4,851			242	97.7	1 1 1	1 1 1
Total		41,786	3,705	13,051		58,542 n			6	29		
Reigniger Coal Mining Co. Zero Lykens S. D. Slope Reigniger Coal Serwice Tree	Northumberland	1	240	1	ı	240 k	120	1	106	7	1	1
Reidinger Breaker	Northumberland	1		ı	1	٠	1	1	294	9	1	2
14 Vein N.D. No. 3 Slope *	Northumberland		1,975		1	1,975 n	950	ı	130	ω	1	1
Ron Lee Breaker, Slo Burn Goal Co. Inc.	Northumberland	,	1		1	٠	1	1	227	2	1	ı
Slo Burn Washery Split Vein Coal Co. Inc.	Northumberland	ı	1		1	,	1	1	130	7	1	1
12 Vein S. D. No. 2 Slope *	Northumberland	w	,	57	1	62	30	1	79	7	1	1

			Producti	Production - net tons	tons		Pounds					
				Sold	Used at		permis-					Non-
		By By By	By :	local	for steam	Total :	sible ex- plosives	Pounds	Days			fatal acci-
Split Vein Coal Co., Inc. (Continued)	Northumberland	TATITORO	- Trucks	ane i	and near	production:	nseq.	nseq	306		dents de	dents 3
Total		5	1	57		62 1	-	1		18		m
Springfield Coal Co.	Northumberland	324	3,686	37	1	4,047 0	1,200	1	195	7	1	п
Swift Coal Sales Swift Breaker	Northumberland	1	1	ı	1	1	1	ı	307	п	ı	
Il Vein S. D. No. 3 Slope	Northumberland	231	2,934	99	33	3,26l4 p	2,000	1	264	77	ï	ı
Whitney Coal Co., inc. Il Vein S. D. 2 & 3 Slopes	Morthumberland	-	989,9	1	1	6,686 b	3,200	-	292	9		-
District Total		48,589	117,098	20,681	394	186,762	63,719	1	24,1	221	,	10
MCRE: (a) All coal prepared at Suzshine Breaker - District 10. (b) All coal prepared at Sio Burn Mashery. (c) All coal prepared at Reidinger Breaker. (d) All coal prepared at Reidinger Breaker. (d) Experience and Sio Coal Co. who produced 6,208 tons, used 3,500 pounds explosively weeked 118 days, 7 menchanged to Bash Coal Co. in June 1968. (e) 899 tons prepared at R. H., & H. Breaker - Listrict 10 2) Long prepared at R. M. Thereker 10, 910 tons prepared at R. J. & H. Breaker - Side Long prepared at R. J. & H. Breaker - Side Long prepared at R. J. & H. Breaker - Side Long prepared at H. H. & H. Breaker - Bistrict 10 8,930 tons prepared at H. H. & H. Breaker - Bistrict 10 8,940 tons prepared at Suzshine Breaker - Bistrict 10 1,010 tons prepared at Suzshine Breaker - Bistrict 10 1,011 tons prepared at Suzshine Breaker - Bistrict 10 1,011 tons prepared at M. Suzshine Breaker - Bistrict 10 1,011 tons prepared at M. Suzshine Breaker - Bistrict 10 1,011 tons prepared at M. Suzshine Breaker - Bistrict 10 1,011 tons prepared at M. J. & H. Breaker	line Breaker - Ins burn Washery.  Call Co. Who proof of the Breaker.  In June 1968.  A. H. Breaker - Instante Preaker.  A. S. Breaker.  A. S. Breaker.  A. S. Breaker.  A. J. & H. Breaker.  E. J. Breaker.  Britin Breaker.  A. J. & H. Breaker.  K. J. Breaker.  J. & H. Breaker.  K. J. B. Breaker.  J. & H. Breaker.  J. Breaker.  J. B. Breaker.  J. B. Breaker.  J. Breaker.  J. Breaker.	ttrict 10. library 7. litrict 10. listrict 10 listrict 10 listrict 10	- useu -			(i) All co (j) Mos. 1 (j) Mos. 1 (k) All co (k) All co (l) 232 to 1,0540 (m) 1,040 (m) 1,040 (m) 1,040 (m) 1,215 (m)	All coal prepared at Split Vein Breaker.  Nes. 1 and 2 Slopes were formerly operated as No. 5 and 6 Slopes by Millings Caul Co., who produced 6,428 toms, vorted 229 days, with 7 men, used 1734 pounds explosives, charged to H. J. & H. Caol Co., in October, 1968, All coal prepared at H. J. & H. Breaker. 22 toms prepared at Sumfrine Preaker. — District 10 23 toms prepared at Sumfrine Preaker. — District 10 24 hous prepared at Sumfrine Breaker.— District 10 10,14 toms prepared at Trevortom Preaker. 10,10 toms prepared at Trevortom Preaker. 1,245 toms prepared at Trevortom Preaker. 1,245 toms prepared at Stomer Meaker. 1,245 toms prepared at Stomer Meaker. 1,245 toms prepared at Stomer Meaker. 1,245 toms prepared at Rosini Breaker Cassed operating in 1968	lat Split V es were for the Coal Co with 7 men, at H. J. & lat Sunset ed at H. J. I at Trevori ed at Glen ed at Glen ed at Slen in 1968	merly break ", who pre ", who pre ", who pre ", in Oct ", in Oct ", if Breaker " & H. Breaker " & H. Breaker " & H. Breaker " Breaker " Breaker " Breaker	icer, ordered as rotated as conduced 6, 34 pound, 34 pound, 32 pound, 32 pound, 33 pound, 34 pou	No. 5 : 1/28 ton 1/28 ton 28 . St. crplos St. crplos strict 10 strict 3 strict 3 strict 3	5 and tons, plosives-
A. & T. Cool Co.			Dist	District 12								
Manusch Slape	Schuylkill	1	1,985	1,273	28	3,286 а	5,000	1	278	7/	1	1
B. & M. Breaker	Schuylkill	1	1	ı	1	- p	1	1	59	10	,	ı
No. 1 Slope	Schuylkill	88	1,469	2,492	27	4,556 c	2,500	1	230	1/1	1	1

			Product	District 12 Production - net	tons		Pounds					
		: Shipped to market	market : By :	Sold to local	Used at colliery for steam	Total	sible ex- plosives	Pounds	Days	Emp1-	Fatal Empl- acci-	Non- fatal acci-
Operators and Collieries	County	railroad	trucks	trade	and heat	production:	nseq	nsed	worked	oyes	dents	dents
Bottom Split Slope	Schuylkill	896	5,539	9,816	97	16,369 d	6,500		240	Φ	1	1
Holmes Slope	Schuylkill	1,515	4,119	5,405	107	11,146 e	7,000	•	287	6	•	1
Marlin Breaker	Schuylkill	٠	,		1	•	٠	1	181	6	1	e,
Correste Construction Co. Nesquehoning Cleaning Plant Nesquehoning Bank	Carbon	12,367	70,090	62,968	1.1	115,425		1.1	239	12 28	1.1	- 1
Total		12,367	40,090	62,968		115,425 f	-	-		07		[]
Duck Mountain Slope	Schuylkill	1	817	627	15	1,459 €	1,500	100	187	7	1	١
Seven Foot Slope	Schuylkill	٠	1,929	1,529	36	3,494 €	2,850	,	197	77	1	٠
Buck Mountain Slope	Schuylkill		719	3,462	07	3,978 h	2,000	1	274	80	1	2
Kaska Breaker Kaska Bank *	Schuylld 11 Schuylld 11	23.069	17.678			10.747	1.1		170	12	- 1	mι
Total		23,069	17,678	1		10,747 1	1	1				
Little Buck Slope	Schuylkill	٠	٠	1	•	١	1	1	87	m	1	٠
Lucanna Fine Coal Plant	Schuylkdll	100		١	•	000	•	1	191	70	1	•
arma bank Total	Schuylkalli	31,083			. .	31,083 k			191	No		1
Gorenty Coal Co. Gorenty Tunnel	Schuylkill	1		689	11,	703 1	009	1	220	σ.	'	'
oremon hims of	Schuylkill		,	1	1	•			257	110	1	9
Eagle Hill Bank	Schuylkdll	688	223	148	•	1,059	٠	٠	18	Μ.	1	1
St. Clair Railroad Bank Total	Schuylkill	3,148	1,017	678 826		4,843 5,902 m			18	7 6		11
J. & E. Coal Co. J. & E. Breaker  M. M. F. F. Coll Control	Schuylld11					1	1		132	12	1	٠
K. M. & F. Breaker	Schuylkill	,	1	1	1		1	1	19	-27	1	٠
No. 7 Slope Kristoff Coal Co.	Schuylkill	1,663	3,948	5,131	107	10,849 n	4,300	2,000	298	6	1	1
Four Foot Slope	Schuylkill	7	2	9	1	10 0	1	٠	17	~	1	٠

				Sold	Used at		permis-					Non-
		s Shipped to market	market :	to	colliery	Total	sible ex-	Pounds	Davie	Emml	Fatal	fatal
Operators and Collieries	County	: railroad	truck:	trade	and heat	production: used	nsed	used	worked	oves	oves dents	dents
Lanscoal Maning Co., Inc.	Carbon	14,411	7,573	2,437	,	24,421 p	15,550	2,000	240	17	1	п
Lehigh Valley Anthracite, Inc. Salem Creek Breaker	Schuylkill		1	٠	٠		1	1	256	N	1	1
Manbeck Dredging Co., Inc. Lowland Washery	Schuylk11	1 0	1 4	1	1	1 80	1	1	197	у.	1	1
Lowland Bank	Carbon	30,000	000,			- 400			257	± V∩	1 1	1 1
No. 6 Bank Total	Carbon	20.800	77,700			70,100		1	257	787	1	1
Mar Strip & Excavating Co. No. 11 Bank	Schuylkd 11	45,362	23,838	7,670	1	76,870 p	1		263	277	1	
Mountain Side Coal Co. Mountain Side Breaker	Schuy1k111		. '		1		1	1	307	2	1	
Phoenix Contracting Co. Black Heath Breaker Phoenix Bank	Schuylkill	26.271	19.916	19.786	1 1	65,973			206	3 6	1 1	νı
Total		26,271	19,916	19,786		65,973 r				6		5
Premium Fine Coal Co., Inc. Premium Fine Plant	Schuylkill		1 -	1	•	1 -	1	1	251	Μ.	1	1
Fremnum Bank Total	Schuylkall	21,000	9,414		-   -	30,414 8			162	1 P	1	11
R. & R. Coal Co. Brockton Breaker	Schuylkill	1	,		ı	1			231	7	'	1
Randolph Washery Randolph Bank	Schuylk111 Schuylk111	2,529	1 1		1.1	2,529		- 1	290	2 2	- 1	
Total		2,529		1	8	2,529 t		-		=		
Reading Anthracite Co. New St. Micholas Breaker	Schuylkill	1		1	•	,	1	,	277	29	1	2
New St. Micholas Fine Coal Plant Reschwood Cleaner Plant	Schuylkill Schuylkill	1 1		1 1		1 1			275	Ж.	1 1	н 1
Pine Forest Cleaner Plant	Schuylkill	1	1	1	1	1	1	1	177	00	1	П
Oak Hill Slush Bank No. 73	Schuylkill	19,952	1,900	10,151		35,003			225	72	1	+
Schickram, William		10 202	90 1 20	1010		000 000			0,70	2 2		1
Silver Creek Coal Co., Inc.	ScundTwall	40,307	024,62	0,104	,	d 666,10			067	07	1	
Silver Creek Breaker	Schuylkdll	1	1	ı		1	ı	1	19	w	1	1
Ski dmore Slope	Schuylkill	1	104	104	1	208 v	125		158	3	1	1

Pounds

District 12 Production - net tons

			Dis	District 12								
		- Contract	Product	Production - net tons	tons		Pounds					
			**	Sold	Used at	-	permis-					Non-
		s Shipped to market	o market :	to	colliery	••	sible ex-	Pounds			Fatal	fatal
		: By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	- acci-	acci-
Operators and Collieries	County	: railroad	truck:	trade	and heat	product ion:		nsed	worked	oves	dents	dents
South Tamaqua Coal Pockets												
South Tamaqua Breaker	Schuylldill		1	ı	1	1	1	ı	233	-47	1	1
nirty Slope. Inc.												
Thirty Slope	Schuylldill	1007	813	920	1	2,140 w	2,000	1	180	œ	1	1
racy Coal Co.												
Tracy Vein Slope	Schuylkill	198	2,768	1,214	30	4,873 x	2,500	500	242	3	1	1
hippoorwill Coal Co.												
Top Split Slope	Schuylkill	8	8	3,492	65	3,673 y	1,850	ı	24,7	7	1	1
11 ams Partnership												
Primrose Slope	Schuylld11	1	579	2,074	04	2,693 2	1,500	1	252	4	1	
Zakrewsky Coal Co.												
Leader Slope	Schuylld 11	-	16,023	10,530	87	26,6h0 aa	10,000	1	287	6	1	7
		out plan	0/0 111	700 0/2	7.7	r lo	1	1 300	000	200		7
District Total		275,070	200,444 100,760	100, 700	Ollis	(04,943	65,775	4,300	231	X	1	9

	District
٤.	1
Breaker	Breaker
-5	Valley
at J.	
	at
prepared	prepared
tons	tons pr
9	3
2,846	Or The
(a)	
NOTE:	

- Ceased operations in March, 1968. 20
- 1,852 tons prepared at Glern Worth Breaker District 13 2,704 tons prepared at K. & P. Breaker District 13
- 11,044 tons prepared at Glenn Worth Breaker District 13 1,610 tons prepared at K. & P. Breaker - District 13 9
  - 140 tons prepared at Valley Breaker District 7 50 tons prepared at B. & M. Breaker 60 tons prepared at J. & E. Breaker (e)
- 3,362 tons prepared at Minersville Breaker District 13 ',212 tons prepared at K. & P. Breaker - District 13
  - 11 coal prepared at Minersville Breaker District 13. All coal prepared at Honeybrook Breaker - District 7. 112 tons prepared at Starwood Breaker - District 7 19 tons prepared at Valley Breaker - District 7
    - ,657 tons prepared at Mountain Side Breaker ,321 tons prepared at South Tamaqua Breaker EEE
- Began operations in July 1968. Operation is being All coal prepared at Kaska Breaker rehabilitated. 33
  - All coal prepared at Lucanna Fine Coal Plant. Segan operations in April 1968.

All coal prepared at K. M. & F. Breaker. All coal prepared at Marlin Breaker. EE

,661 tons prepared at K. & P. Breaker - District 13 537 tons prepared at Silver Creek Breaker Began operations in December, 1968.

a

- 90 tons prepared at Wesner Breaker District 7 All coal prepared at Silver Creek Breaker, Operation is being rehabilitated. 3
  - All coal prepared at Black Heath Breaker. All coal prepared at Greenwood Breaker. 28,400 tons prepared at Lowland Washery 70,100 tons prepared at No. 6 Washery (a) (b)
- All coal prepared at New St. Micholas Fine Coal Flant. All coal prepared at Valley Breaker District 7. All coal prepared at Blaschak Breaker District 7 All coal prepared at Premium Fine Plant. All coal prepared at Randolph Washery. # 4 E + 8 H
  - 1,845 tons prepared at Olemick Breaker District 13 3,028 tons prepared at Schneck Breaker District 14 3,161 tons prepared at K. M. & F. Breaker Began operations in April, 1968 Ħ 3
    - tons prepared at Wesner Breaker District 7 204 tons prepared at Silver Creek Breaker 308 tons prepared at Wesner Breaker - Dist

	Non- fatal acci-			ı	•	1	1	-1	+	'	•	1	1	ı	1	1 ~	1	1	1
				1	1	1	1	1.1	1	1	1	1	1	1	1	1 1	1	1	-1
		er aker Disti		3	2	70	~	8 2	12 2	7	9	77	7	٣	70	~ I	37	~	~
	Days Empl- worked oves	n Breake 1de Bree maqua Bi reaker		22	72	260	8	203	108	163	248	210	246	194	195	307	215	156	203
	Pounds dynamite used	sin sin th th ood		ı	,	i	1	1.1	-  -	2005	,	800	1	1	1	750	750	,	200
Pounds	permis- sible ex- plosives used	ons prepared prepared a ns prepared prepared a ns prepared		ı	,	1,400	1	1.1		576	1,500	1,700	1	1	1,800	000,6	35,000		7,600
	Total :	(aa) 16,127 t 772 tons 7,941 to 325 tons 1,475 to		eg I	1,816 b	5,750 c	3,941 а	1,102	10,850 11,952 d	2,468 e	4,222 f	1,377 €		1	3,759 h	1,808,11	39,400	15,793 k	τ ομι,9
tons	Used at colliery for steam and heat			,	13	7	,	1.1		11	г	2	1	1	٧٠	13	152		92
rict 12	Sold to local trade		District 13	1	1,080	2,730	337	38	380	ιή	2,132	638	1	, 1	1,4447	4,970	16,247	790	2,701
District 12 Production - net tons	market : By : truck:		Dist	1	797	2,158	3,051	853	9,251	2,046	1,859	708	1	1	2,197	6,472	22,755	178,11	3,182
	Shipped to market By By			1	258	855	553	- 211	2,072	'	230	28	1	1	110	353	353	3,632	231
	Oont,	199 tons prepared at B. & M. Breaker 1,147 tons prepared at K. M. & F. Breaker 1,057 tons prepared at South Tamaqua Breaker Ceased operating in 1966.		Schuylkill	Schuylkill	Schuylkill	Schuylk111	Schuylkill Schuylkill	Schuylk 11	Schuylkill	Schuylkill	Schuylkil	Schuylkill	Schuylk111	Schuylkill	Schuylld11 Schuylld11	Schuytkini	Schuylkill	Schuylkill
	Orangine and Collieries	NOTE: (2) 139 tons prepared at B. & N. Breaker 1,137 tons prepared at X. M. & F. Br. Br. 1,137 tons prepared at 50th Tamaqua & Ceased operating in 1968.	יין ניין נוח שם	Bug Hill Slope	BlueBell Enterprises No. 1 Bank	Bosack Coal Co. No. 2 Drift Tunnel	Phoenix Park Refuse Bank	U. D. S. Coal. Co. Maple Spring Breaker Lyrtle Bank *	Branch Refuse Bank Total	Coxe Coal Co. Woods Drift	Dando Coal Co., F. P. No. 12 Rock Slope	Dembinsky Coal Co.	Direnzo Coal Co.	Glenn Worth Breaker	No. 2 Slope	Hilside Breaker Sharp Wountain Slope	No. 5 west Stope Total	Industrial Coal Sales Co. Branchdale Bank	Mestwood Slope

District 13 Production - net tons

		Chinned to market		Sold	Used at		permis-					Non-
Operators and Collieries	County	By By	By :	local	for steam	Total :	plosives	Pounds	Days	Emp1-	Fatal Empl- acci-	fatal acci-
K & P Cool Co	Compa	OBOTTTBY .	CTOCK	trade	and neat	product 10n:	nsed	nsed	worked	oves	dents	dents
K. & P. Breaker	Schuvlkdll	,	,		,	,	,	1	130	00	1	1
K. S. F. Coal Co.												
K. S. F. Mine	Schuylkill	2,475	18,306	3,569	95	24,445 m	31,350	1	297	12	1	m
Keim Coal Co., Ralph												
Otto Bank	Schuylkill	20,052	120,11	4,373	108	35,554 n	1	ı	156	7	1	П
Klinger Coal Co.		,		,								
No. 1 Slope	Schuylkill	19	2,152	1,564	m	3,780 0	3,900		278	m	1	1
Koch Coal Co.												
Selkirk Slope	Schuylk 11	15	1,916	300	2	2,294 p	2,000	1	199	77	ı	1
Live Oak Coal Co.									1	1		
Live Oak Breaker	Schuylk111		ı		ı		ı	ı	240	Ŋ	1	
M. C. N. COSI CO.		.00	0	,		7.0 .	000		00 F	1		c
Madale Split Slope	Schuylkill	122	0/0	OL5	N	010,1	35		120	Λ-:	1	7 1
Feach indiment in a crope	Schuythan	200	RE7	ROZ	-	1 083 A	001		2	ot		6
Minersville Coal Co., Inc.		177	100	100	1	T 1001	20767					-
Minersville Breaker	Schuvlkdll		,	,			,	,	300	89	1	٦
Neumeister Coal Co., James	•											
No. 1 Mine	Schuylkill	1971	5,412	6.052	C	11,933 r	5,000	,	267	6	1	1
Old Mill Coal Yard	,											
Old Mill Breaker	Schuylkill		,	1	•			1	260	7	1	ı
Olenick Brothers Coal Co.												
Olenick Breaker	Schuylk111		1	1	1	ı	1	,	240	7	١	1
Olenick Slush Bank	Schuylkill	1,127	2,698	575	23	4,423	1	•	125	П	1	-
Total		1,127	2,698	575	23	4,423 8				2	1	-
P. & H. Coal Co.												
White Ash Slope	Schuylk111	92	982	891	2	1,951 t	900	1	506	7	ı	1
S. & B. Coal Co.			1					1	î			
S. & B. Drift Tunnel	Schuylkill		1/1	126	1	200 u	150	1,500	77		•	ı
Drimnose Clone	C Later Comment	000	100	בבב כ	-	0.10 7			רטר	u		
Schelb Coal Co.	Scring Trees	22	4,101	7,111	4	V 21C ()	T, 100		171	^		
Scheib Slope	Schuylkill	,			,	*	,	,	18	c	1	1
Schuylkill Contracting Co.	,											
Pine Hill Slush Bank *	Schuylkill	5,187	1,676	711,1	ı	7,980	ı	1	37	91	1	
Duck nun Stush Bank	Schuylkil	100	26,861		-	28,861	-	-		0	1	1
Scott Coal Co.		29101	30,221	7777		30,041 W				77	1	1
Buck Slope	Schuylkill		1,23	320	60	× 97/2	300	150	201	3	1	1

2	fatal	acci-	1	1	1	ı	1	217	1	r.	2	1	1	-	19	14.
				1	1	1	1		1	1	1	1	1	1		rict 15
		Empl- acci-	20	~	80	7	~	26	М	ω	7	6	2	10	291	rr ker ker ker ker er er saker rr er - Di
		Days	290	94	589	205	58	252	261	168	167	135	84	257	212	rille Bre k Breaker ak Breaker Mill Brea side Breaker P. Breake P. Break de Breake
	Pounds	dynamite	7,600	ı	,	ı	ı		,	350	1	1			12,150	668 tons prepared at Orlard Reaker 609 tons prepared at Orlard Reaker 100 tons prepared at Orlard Reaker 1,922 tons prepared at Unit of Mil Breaker 1,922 tons prepared at Willside Preaker – Intrict 15 54 tons prepared at Millside Preaker – Intrict 15 1,690 tons prepared at Millside Breaker 10,118 tons prepared at Hillside Breaker All coal prepared at Hillside Breaker All coal prepared at Donaldson Breaker
Pounds	sible ex-	plosives	2,800	ı	1,475	875	150		680	125	4,375	1	1	7,150	110,705	ns prepare ms prepare tons prepare tons prepare tons prepare tons prepare tons prepare tons prepare all prepare
		rotal : production:	5,652 y	at	5,106 z	1,640 x	252 aa	12,025 12,025 n	5,033 bb	642 сс	2,192 dd	1	cd I	9,207 ee	269,829	(g) 668 to 609 to 100 t
tons Head at	colliery	for steam and heat	,	,	77.	7	1	36	23	2	11	,	1	7	1759	
Production - net tons	to	local	2,810	,	1,278	703	112	1,479	2,209	336	939			4,303	966,59	
Producti	market :	By : truck:	2,604	,	3,802	930	077	3,728	2,277	264	1,242	ı	1	4,003	156,518	0.
	Shipped to market	By railroad	238	,	12	,		6,782	545	07		,		897	46,887	- District 1:
	• ••	County	Schuylkill	Schuylkill	Schuylkill	Schuylkill	Schuylkill	Schuylkill Schuylkill	Schuylkill	Schuylkill	Schuylkill	Schuylkill	Schuylkill	Schuylkill		& P. Breaker Silver Creek Breaker am Morth Breaker K. & P. Breaker Inv Oak Breaker & W. Breaker – Matho De Spring Breaker, cember 1963, Grano Breaker & P. Breaker
		Operators and Collieries	Seanawaitis Brothers Coal Co. Bottom Split Slope	Siminitus Coal Co. Four Foot Slope	Snyder Coal Co., Leroy No. 2 Buck Mountain Slope	Sorokach Coal Co. Sorokach Slope	Studlack Coal Co. Studlack Slope	Swatera Coal Co. Swatera Breaker Otto Bank * Total	Tokarchek Mine	Walaitis Coal Co. No. 2 Slope	Woodside Tunnel	Winne Land Co. Lytle Washery	Woodside Fining Co. Buck Mountain Slope	Marmoth Slope	District Total	NOTE: (a) Maintenance work only. (b) 706 tons prepared at X. & P. Breaker (c) 175 tons prepared at Silver Creek Breaker (c) 175 tons prepared at Lilan Worth Breaker (d) 175 tons prepared at Lilan Worth Breaker (d) 139 tons prepared at Lilan One Breaker (d) 140 tons prepared at Lilan One Breaker (e) Class of Prepared at Maple Spring Breaker (e) All coal prepared at Maple Spring Breaker (e) All coal prepared at Maple Spring Breaker (f) 256 tons prepared at Maple Spring Breaker

				Producti	Production - net tons	tons		Pounds	ď					
					Sold	Used at		- permis-	i				Z	Non
			Shipped to market	market :	to	colliery		: sible ex-		Pounds		F	Fatal fa	fatal
			a By	By :	local	for steam	Total	: plosives		dynamite	Days	Empl- acci-		acci-
Operators	Operators and Collieries	County	: railroad	truck:	trade	and heat	productio	production: used		nsed	-	oves de	dents de	dents
NOTE: (1)	1,106 tons prepared at K. & P. Breaker	at K. & P. Breaker					(t) 279	tons pre	ared at	279 tons prepared at DiRenzo Breaker	eaker			
	5,034 tons prepared at minersville breaker	t mnersville break	Ker					id suoi >	epared a	L'o/2 tons prepared at Ulenick Breaker	breaker			
	Formerly operated by Westwood Coal Co. who produced	Westwood Coal Co. v	who produced				(a)	coal prep	ared at (	All coal prepared at Glenn Worth Breaker.	h Breake	r.		
	5,290 tons, used 4,200 pounds of explosives, 400 pounds	To pounds of explosi	Ives, 400 pounds	\$ 77				tons pre	vared at	903 tons prepared at Ulenick Breaker	Pareless			
	Angret 1068	LL2 days, / men. or	nanged ownersup	111			L, (7	rd suon by	epared a	1,74 tons prepared at Old Fill breaker	. breaker	Diotorio	0.	
(H)		at Hillside Breaker					1, 20	l tons pre	enared at	227 tons prepared at D. & W. breaker = 1.29h tons prepared at Ifve Oak Breaker	eaker -	DISTL	77	
		Swatara Breaker					134	tons prep	ared at	134 tons prepared at Kocher Breaker - District 15	aker - D	dstrict	15	
	19 tons prepared at Superior Breaker - District 16	Juperior Breaker - I	District 16					ed operat	ions in (	Ceased operations in October, 1968.	968		}	
	13,780 tons prepared at Franklin Hydrotated Breaker - District 14	at Franklin Hydrota	ated Breaker - Di	istrict 14			(w) 7,98	O tons pr	epared at	7,980 tons prepared at Marlin Breaker - District 12	reaker -	Distric	t 12	
	145 tons prepared at Schneck Breaker - District 14	Schneck Breaker - I	District 14				28,8	61 tons p	repared	28,861 tons prepared at Lytle Washery	Jashery			
	6,565 tons prepared at Kocher Breaker - District 15	at Kocher Breaker -	District 15				(*) Ceas	ed operat	ions in l	Ceased operations in December, 1968.	1968.			
		at Legal Breaker - 1	District 15				(x) A11	coal prep	ared at 1	All coal prepared at Minersville Breaker.	e Breake	F.		
(n)		Swatara Breaker. 1	Formerly operated	1 by			(y) 5,12	2 tons pr	epared at	5,122 tons prepared at Olenick Breaker	Breaker			
	Savary and Dissinger, who produced 24,414 tons, worked 116 days,	who produced 24,41	ld tons, worked l	116 days,				tons prep	ared at (	530 tons prepared at 01d Mill Breaker	Breaker			
		rship in November, 1	1968.				(z) 3,44	3 tons pr	epared at	3,443 tons prepared at DiRenzo Breaker	Breaker			
©		Olenick Breaker					1,13	9 tons pr	epared at	,139 tons prepared at Old Mill Breaker	. Breaker			
	2,725 tons prepared at Old Mill Breaker	at Old Mill Breaker					524	tons prep	ared at 1	524 tons prepared at Live Oak Breaker	reaker			
	812 tons prepared at	Hillside Breaker						coal prep	ared at 1	All coal prepared at Live Oak Breaker.	reaker.			
		Swatara Breaker					(bb) 3,49	O tons pr	epared at	3,490 tons prepared at Olenick Breaker	Breaker			
(d)		Nenick Breaker					873	tons prep	ared at (	873 tons prepared at 01d Mill Breaker	reaker			
	517 tons prepared at Old Mill Breaker	Old Mill Breaker						tons prep	ared at	670 tons prepared at Swatara Breaker	eaker			
	30% tons prepared at Inkenzo breaker	Inkenzo Breaker					(cc) 264	tons prep	ared at (	264 tons prepared at Glenn Worth Breaker	h Breake	ri.		
(0)		at D. & Z. Breaker	- District II				187	tons prep	ared at	184 tons prepared at K. & P. Breaker	eaker			
(b)	1 681 tons prepared at Swatara breaker	Swatara breaker					194	tons prep	ared at	194 tons prepared at 01d Mill Breaker	reaker	1		
	3/ tons prepared at Tame Only Breaker	Tare Oak Breeker						coal prep	ared at	All coal prepared at minersville breaker.	e preake	r. no nuc	disotia or	
(r)		at Live Oak Breaker					Work	ed 15 day	S. 2 men.	worked 15 days. 2 men. Changed ownership May 1, 1968.	ownersh	in May	1968	÷ ,
		at Malho Breaker - L	District 9				(ее) 8.28	3 tons pr	enared at	8.283 tons prepared at Olenick Breaker	Breaker		ì	
		Reichwein & Beury I	Breaker - Distric	ot 9				tons prep	ared at 2	924 tons prepared at Swatara Breaker	eaker			
(8)	All coal prepared at Kocher Breaker - District 15	Kocher Breaker - Di	istrict 15											
				TH at	District 11									
B. & C. Coal Co.	al Co.			100	11									
L.V. No. 3 Ved Colket Coal Co.	L.V. No. 3 Vein Slope	Schuylkill	202	738	100	1	1,040 a	10 a	046		133	~	ï	
No. 2 & 3 Slopes	3 Slopes	Schuvlkill	135	5,329	6/19	12	6.125 h		2.000	1	253	~	,	
Faust Coal Co.	00.		}	1-161	Ì						}	١.		
Faust Slope	ope	Schuylkill	7	191	28	ч	227	7 c	920	,	157	2	ı	ı
Franklin	Franklin Hydrotated Breaker	Schwellell									01.0	0		-
	the state of the state of the state of	The state of the s									2112			

			Dist. Producti	District 14 Production - net tons	tons		Pounds					
		: Shipped to market	market :	Sold to	Used at colliery	Total	permis- sible ex-	Pounds	Daye	Fmn1	Fatal Femile acoi	Non- fatal
Operators and Collieries	County	: railroad	trucks	trade	and heat	productions	nsed	used	worked	oves	dents	dents
H. & S. Coal Co.		201	7 00 7	217	:	2 808	2 200		2.10	-		
Hatter Coal Co.	Schiglical	191	5,015	oID	7	2,030 d	0,530		747	7	ı	1
No. 1 Slope	Schuylkill	1,710	6,259	9778	í	8,815 a	12,500	i	297	10	ı	ı
Herring frothers Coal Co.	Schuylldll	1,599	3,894	552	18	6,063 e	3,950	250	257	70	1	3
Industrial Coal Sales Co.	A . A								300			
Donal deen Benk	Schuylkill	533	1,668	911		2.317			190	75		
Total	The state of the s	533	1,668	116		2,317 f		1	1	17	1	
L. E. H. Mining Co. L.E.H. Mine	Schuyldll	7	1,147	2,864	80	7,026 g	5,000	1	237	70	1	-1
Mercury Coal Co., Inc.	C-11-11-11	יים גינו	00 11.0	808	181	1.8 0.80			303	000		'n
Primrose Slope	Schuylkill	1,765	1,222 h,222	000	34	6,921 h	,		102	12	1 1	^-
Total		14,319	34,664	6,708	215	55,906 i		1		147	1	9
Miller Coal Co. Miller Mine	Schuylkill	133	595	01/1	1	868 j	300	1	225	3	1	1
Orchard Slope	Schuylkill	п	632	151	1	1,097 k	750	ı	205	3	1	1
Oakwood Breaker	Schuylkill	1	1	1	1	1	ı	1	303	80	ı	1
Penag Coal Co. Penag Breaker	Schuylkill	1	ı	ı	ı	- 1	ı	ı	97	3	1	1
herometri & beury cost co.	Schuylkill	5,406	6,957	5,102	170	17,635 ш	21,000	1	304	6	1	1
Buck Mountain Slope	Schuylkill	1,940	1,066	423	10	3,439 п	3,000	1	258	70	1	1
Buck Mountain Slope	Schuylkill	178	6,625	375	7	7,182 0	2,350	1	277	70	1	1
No. 2 Mine	Schuylkill	156	7,598	2,791	31	10,576 p	12,000	1	294	9	1	1
School Deaker	Schuylkill	1	1	1	1	1	1	1	315	10	1	1
Town 1 Mine Town Co.	Schuylkill	1	6,739	ı	1	6,739 q	2,200	ı	225	7	1	1
Little Buck Mountain Slope	Schuylkill	2	17	6	-	82 b	52	1	87	2	1	1
District Total		26,535	92,188	21,772	1480	216,041	113,490	250	244	161	1	10

District 14

			Product	Production - net tons	tons		Pounds					
			-	Sold	Used at:		permis-				Z	Non-
		s Shipped to market	market	to	colliery	••	sible ex-	Pounds		ш.	Fatal f	fatal
		By	By s	local	for steam	Total :	plosives	dynamite	Days	Empl- acci-		acci-
Orerators and Collieries	County	railroad	trucks	trade	and heat	productions	nsed	nsed	worked	oyes dents		dents
P :	1 coal prepared at Superior Breaker -	Distr				(k) All coa	All coal prepared at Old Mill Breaker - District 13.	t Old Mill	Breaker -	Distri	ct 13.	
(b) All coal prepared a	411 coal prepared at Vakwood breaker. 221 tons prepared at Franklin Breaker						renag breaker and not operate during year - > employes on maintenance only.	analado no	anting ye	۲ - Ja	акотома	200
101	Donaldson Breaker					(m) 16,526	16,526 tons prepared at R. & B. Breaker - District 9	dat R. & B.	. Breaker	- Dist	rict 9	
(d) 5,434 tons prepared	.434 tons prepared at Oakwood Breaker Ol. tons nrongred at Sunewior Breaker - District 16	Metrict. 16					1,109 tons prepared at Mocher Breaker - District 15	at Kocher J t. Swatara R	breaker -	Matric	ct 15	
(e) 6,032 tons prepared	5,032 tons prepared at Schneck Breaker	010010010000				(o) 5,235 t	5,235 tons prepared at Underkoffler Breaker - District 16	at Underko	ffler Bre	aker -	Distric	t 16
31 tons prepared at Oakwood Breaker (f) All coal prepared at Donaldson Break	31 tons prepared at Oakwood Breaker. 111 coal prepared at Donaldson Breaker.					474 ton 263 ton	174 tons prepared at Pine Creek Breaker - District 16 263 tons prepared at Kocher Breaker - District 15	t Mocher Bre	k Breaker eaker - D	- Dist	rict 16 15	
	5,998 tons prepared at Hillside Breaker - District 13	- District 13				1,210 t	1,210 tons prepared at Oakwood Breaker	at Oakwood	Breaker	Di	mt 0+ 16	
(h) Wine ceased operati	With a ceased operations in April, 1968.	orice 13					240 tons prepared at DiRenzo Breaker - District 13	at DiRenzo	Breaker	- Distr	ict 13	
	13.34 tons prepared at Supernor Breaker - District 13.34 tons prepared at Kotcher Breaker - District 15 13.34 tons prepared at Meanor Presider - Hatrict 15	District 15				3,641 t	toc total prepared at Jwatara breaker - District I) Adil tons prepared at Live Oak Breaker - District 13 76: tons prepared at Franklin Breaker	at Live Oal	k Breaker	-Distr	ict 13	
(j) 688 tons prepared a 180 tons prepared a	688 tons prepared at Superior Breaker - District 16 180 tons prepared at Hillside Breaker - District 13	District 16 District 13				(q) All coal sol District 16	All coal sold to market unprepared at George Fronk Ramp District 16	rket unprepa	ared at G	sorge F	ronk Ra	- diu
, c			Dist	Matrict 15								
Bottom Split Slope	Schuylkill	77	547	89	1	629 а	009		077	~	ı	ı
Echo Breaker  Buck Can C	Schuylkill	•	1	ı	1	Q I	1	1	177	3	1	ı
Buck Mountain Slope	Schuylkill	103	1,503	131	7	1,744 c	1,540	1	109	~	ï	ī
Top Split Slope	Schuylkill	1,248	21,493	31,419	348	54,508 d	23,550	1	235	22	1	1
Tracy Vein Slope	Schuylkill	249	1,566	222	7	2,442 е	1,325		215	77		1
Skidmore Slope	Schuylkill	1,818	6,797	2,898	641	11,556 f	5,475	1	283	8	1	2
Middle Split Slope	Schuylkill	4,034	21,220	4,723	85	30,062 g	39,100	1	285	15	1	7
No. 1 Vein Slope	Schuylkill		1	653	7	ч 099	200	1	18	7		
Buck Mountain Slope	Schuylkill	,	1	1		- 1		1	15	٣	1	1
Holmes Slope	Schuylkill	10	84	24		113	100		70	N		
Buck Mountain Slope	Schuylkill	136	1,908	239	12	2,295	2,000	-	83	~	1	1
70000		141	1,992	263	12	2,408 3	2,100	-		8		

			Producti	Production - net	tons		Pounds					
		to the property of the propert	market :	Sold	Used at		permis-	Pounds			Fatal	Non-
Operators and Collieries	County	By railroad	By : truck:	local	for steam	Total : production:	plosives	dynamite	Days	Empl- oves	Empl- acci-	acci-
arner Coal Co.		1 00	002	.00	ı	10750			000	,		
Harner Drift	Schuylkall	957	1,500	501	^	Z,102 K	2,000	1	133	2	1	
Primrose Slope	Schuylkill	141	5,429	807	25	6,402 1	3,500	•	262	7	1	
Herb & Reed Coal Co.					-	7000			0	(		
No. 4 Slope	Schuylkill		1	331	7	335 h	300		103	N	1	
*Skidmore Slope	Schuylkill	797	10,540	858	19	12,256 ш	725	1	262	7	1	
Industrial Coal Sales Co.		1	1	1		1			0			
Lincoln Bank Good Spring Bank	Schuylkill Schuylkill	3,576	11,195	778		15,549	1 1	1 1	168	n m	1 1	
Total		3,706	11,600	806	1	16,112 n				9	•	1
J. & C. Coal Co., Inc. No. 1 Vedn Slope	Schuylkill	252	636	1,488	31	2,407 0	3,000	1	232	7	- 1	
Keffers Coal Co.			i c						C	-		
L.V. No. 2 Vein Slope	Schuylkd 11	2,123	7,785	1,053	1	10,961 p	11,000	1	277	7	1	
Buck Mountain Slope	Schuylkd 11	234	1,307	153	9	1,700 q	1,150	•	126	3	1	
Kocher Coal Co., Inc., Leon E.									0	1		
Kocner Breaker	Schuytkall		ı	1	ı		ı		613	45	ı	
No. 2 Vein Slope	Schuylkill	2,267	9,115	3,654	32	15,068 r	5,850	1	256	70	1	
Legal Coal Co.												
Legal Breaker	Schuylkill	ı	ı		ı		ı	ı	301	12	ı	
Jollett Breaker	Schuylkill	1	,	ı	ı	ro I	1	1	336	1	1	
M. W. S. Coal Co.												
Holmes Slope Madenford Coal Co.	Schuylkill	1,596	8,418	2,321	19	12,354 t	14,500		279	7	1	
No. 1 Vein Slope	Schuylkill	1,774	15,097	1,503	91	18,465 u	13,500	1	292	7	1	
Washer Dreaging Co., inc.	Calmardid								ואר	0		
Westwood Rank	Schurtlell	1.8 500				1.8 500			191	2		
Ifncoln Bank	Schuylid	200	23,300	1		73,300			108	2 1		1
Total		1,8,500	23,300	-		71,800 v				177	1	1
Ney & Lehman Coal Co.		0	202 0	0.0	90	0			C	-		
No. 2 Slope	Schuylkill	858	8,140	1,210	2 8	10,047	000,5	1 1	288	3 V	1 1	۱ ۱
Total		1.735	18 175	5 SRT	01	20 Ole 00	r			0	1	

			Product	District 15 Production - net tons	tons		Pounds					
				Sold	Used at		permis-					Non-
		s Shipped to market	o market :	to	colliery	Total	sible ex-	Pounds	Dave	Fmml	Fatal	fatal
Onerators and Collieries	County	railroad	trucks	trade	and heat	. :uo	used	used	worked	oves	dents	dents
P. & M. Coal Co.												
Orchard Slope	Schuylkill	1	1	ı		×	1	ı	13	7	1	ı
Panther Head Coal Co.							1					
Buck Mountain Drift	Schuylkill	21	899	307	2	1,229 y	2,650	ı	181	m	1	ı
R. & K. Coal Co.		0,00	0 10	0	ī	- 300 60	22 500		020	ď		υ
Ski dmore Slope	Schuylkill	8,260	20,142	0,550	154	31,100 z	31,500		2/0	То	ı	٨
No & J. Coal Co.	Schnwildill	538	3.725	1.905	27	6.192 аа	11,250	ı	260	9	1	1
Renninger & Partners Co.												
Holmes Slope	Schuylkill	1	1	1	1	qq -	1	1	29	2	1	1
S. & W. Coal Co.												
Middle Split Slope	Schuylkill	1,440	5,358	10,897	141	17,836 cc	8,000	i	310	9	1	1
Shade Coal Co.						4			1			
No. 2 Vein Slope	Schuylkill	1,312	1,801	7,713	T.	13,897 dd	12,500	ı	246	10	1	ı
Sharp Mountain Coal Co.		-		1	1	000			-	,		
Orchard Slope	Schuylkill	338	1,889	245	7	2,479 ee	3,650	ı	243	~	1	1
Spancake & Herring Coal Co.												
Buck Mountain Slope	Schuylkill	1,960	5,809	1,015	37	8,821 ff	7,000	ı	239	7	ı	ı
N- 2 T-i- Clar		0 870	020 8	742 4	0.0	30 Loc	9		200	7		
No. 2 Vell Slope	Schuyikili	26062	0,970	0,000	7 (	7 060	8		200	- u		
No. 2 Stope	Schuylkall	2 240	TOK O	7 608	- 60	20 761 00			2	100	'	1
Super Mater Cosl Co.		22070	7,011	1,070	-	20 tot 66	1			4		
Primrose Slope	Schuylldll	2,738	6,589	1,394	53	10,774 hh	7,650	1	289	9	1	1
holfgang Coal Co.												
L.V. No. 12 Vein Slope	Schuylkill	599	6,603	13,904	146	20,919 ii	10,250	1	279	N	1	ı
Zimmerman Coal Co., Marlin		1	00/00	,000	C	0,0,0			Jun	a		-
buck mountain Slope	Schuylldill	2,591	13,090	2,200	7)	24,559 33	24,000	-	077		1	4
District Total		97.118	247,996	111,667	1,636	1,58,147	264,965	1	233	294	1	17

NOTE: (a) All coal prepared at Omkwood Breaker - District ll.

(b) Formerly operated by Enco Coal Co., worked Indee with 4 men - changed to Bluckell Exterprises in Mey 1968 and has 3 employes on maintenance.

changed to Mindbell Enterprises in May 1960 and has 5 (c) 1,1966 tons prepared at Legal Breaker - District II, 21,8 tons prepared at Oakwood Breaker - District II,

218 tons prepared at Unkaroof Meester - Instrict III (d) 25,017 tons prepared at Underforfler Presider - Instrict IS 8,106 tons prepared at Initiatons Breaker - Instrict IS 17,4 tons prepared at Enrolecter Presider - Instrict II of 12,652 tons prepared at Pranklin Breaker - Instrict II iI loos Commander at Christian Breaker - Instrict II iI 3,344 tons prepared at Pine Oreek Breaker - Instrict II iI 3,344 tons prepared at Pine Oreek Breaker - Instrict II

(e) All coal prepared at Schneck Breaker - District 11, Pomeray gestrated by 5.5.M. Coal Co.who produced 199 to 15.9 to 10.0 who produced of explosives. Changed to Chype Coal of A. In April 1966. (f) 1,811 tons prepared at Rocher Breaker 2,507 cons prepared at Leaf Breaker - District 16 7,073 tons prepared at Leaf Breaker - District 16 7,073 tons prepared at Plan Creek Breaker - District 16

7(7) tons pregared at Pinc Greek Resker - District J. 13,041 tons pregared at Gamero Header - District J. 11,289 tons pregared at National Resker - District J. 1,799 tons pregared at Millade Presker - District J. 3,799 tons pregared at K. 4. P. Resker - District J. 3,799 tons pregared at K. 4. P. Resker - District J. 3

District 15

			Drodio d	District 16	900+		Pounde					
			12001	Sold	Used at		permis-					Non-
		Shipped to market	o market :	to	colliery	Total	sible ex-	Pounds	Dave	Fmn1	Fatal Fmnl- acci-	fatal
Orerators and Collieries	County	: railroad	trucki	trade	and heat	productions	nsed	nsed	worked	oves dents	dents	dents
L.V. No. 6 Vein Slope	Schuylkill	•	1	2,584	56	2,610 a	1,200	1	153	7	1	1
L.V. No. 5 Vein Slope	Schuylkill		1	5,149	52	5,201 a	2,100	1	201	7	1	1
B. & M. Tunnel	Schuylkill	1,902	8,603	1,420	25	11,950 b	5,050	1	267	N	1	1
Buck Mountain Slope	Schuylkill	9	7	1,387	77.	1,411 0	750	1	142	77	1	1
D. & R. Slope	Schuylkill	11	195	34	П	301 d	500	ı	20	3	1	1
No. 2 Slope	Schuylk111	1,588	15,639	1,428	91	18,746 e	13,700	200	286	13	1	3
Iykens Breaker	Dauphin		•	ı	1	1	1	ı	228	~	1	1
G. & K. Slope	Dauphin	•	1	20	1	20 a	200	ı	7	m	1	1
Williamstown Silt Bank	Dauphin	•	90,000	1	1	3 000°06		١	126	7	١	1
Buck Mountain Slope	Schuylkill	1,182	5,657	1,909	35	8,783 g	10,200	52	272	77	1	1
Skidmore Slope	Schuylkill	4,179	20,419	2,756	128	27,482 h	14,450	250	301	Ħ	1	1
Middle Split Slope	Schuylkill	3,974	14,545	1,967	1	20,486 1	15,200	1	287	6	1	١
Buck Mountain Slope	Schuylkill	340	7,016	725	29	8,110 5	3,750	100	269	64	1	П
Skidmore Slope	Schuylkill	3,861	8,285	23,302	218	35,666 k	8,000	2,000	304	Ħ	1	1
L.V. No. 6 Vein Slope	Schuylkill	795	2,244	311	10	3,360 1	3,100	150	275	7	1	1
Porter Turnel	Schuylkill		1	•	1	E .	1	1	671	00	1	٠
Buck Mountain Slope	Schuylkill	9719	7,335	1,147	917	9,174 п	1,000	150	274	~	1	1
L.V. No. 12 Vein Slope	Schuylkill	ì	1	237	2	239 a	250	25	74	~	١	1
White's Vein Slope Lebman Coal Co., Mervin	Dauphin	1		516	ν.	521 a	500	1	98	М	1	1
L.V. No. 6 Vein Slope	Schuylkill	09	1,220	941	7	1,433 0	929	1	210	7	- 1	1

			Producti	District 16 Production - net tons	tons		Pounds					
		Shire of the same	: tadrem	Sold	Used at		permis-	Dounde			To + 0 1	Non-
Orestators and Collieries	County	By By	By :	local	for steam	Total :	plosives	dynamite	Days		Empl- acci-	acci-
Micas Coal Co., Franklin White's Vein Slope	Schuylldll	1,136	2,860	854	21	4,871 p			215	1	'	'
M.A.D. Coal Co. L.V. No. 6 Vein Slope	Schuylkill	139	279	171	2	591 q	275	1	107	m	1	,
Mace Coal Co., James White's Vein Slope	Schuylkill	3,600	6,771	949,4	18	15,035 r	7,800	150	254	80	1	01
Marby Coal Co., Inc.	Schuylkill	505	6,649	2,457	1	9,608 8	6,800	150	255	80	1	•
No. 9 Vein Slope	Dauphin	ı	199	1	1	468 t	200	1	36	2	1	•
readowbrook Coal Lo. Meadowbrook Bank Meadowbrook Washery Total	Dauphin Dauphin		13,349		-	13,349 13,349 u	- 1	- 1	255	war		- 11
No. 4 Coal Co. White's Vedn Slope	Schuylkill	2,355	5,868	1,652	28	9,903 v	5,000	1	255	w	1	
Mne Creek Breaker	Schuylkill	,	ı	1	1	1	_'	٠	297	15	1	9
No. 92 Vein Slope	Dauphin	159	2,384	322	1	3,357 1	1,600	300	250	3	1	٠
Buck Mountain Slope	Dauphin	529	1,515	954	80	3,006 W	2,600	50	233	ς.	1	•
Skd dmore Slope	Dauphin	1453	3,564	478	17	4,512 x	3,200	1	243	7	1	•
Shormer Breaker	Schuylkill Schuylkill	551	934 249	1,139	1 1 1	2,624,699	650	200	201	m m o	1 1 1	1 1 1
Total		869	1,183	1,442		3,323 y	1,050	500		(30)	1	-
Smeltz Coal Co. No. 7 Vedn Slope	Dauphin	213	3,037	727	15	3,739 z	8,400	1	230	m	1	1
Middle Split Slope	Schuylkill	615	2,468	15,524	217	18,824 aa	a 4,175	1	294	77.	1	П
Strohecker Breaker	Dauphin	ı	1	1	1	•	1	1	285	80	1	1
Superior Breaker Underkoffler Cosl Co.	Schuylkill	ı	ı	1	1	,	1	1	303	10	1	П
Buck Mountain Slope	Dauphin	1		3,339	33	3,372	2,400	1	249	~	1	1
onderkollier breaker Total	Dauphin			3 330	- 33	2 222 2		-	245		1	7
				13771	11	20716 0		-		27	1	7

				Product	Production = net tons	+000		Dounde					
			: Shipped to market	market :	Sold	Used at colliery		permis- sible ex-	Pounds		F	Fatal fa	Non- fatal
Operators	Operators and Collieries	County	: by	by : truck:	local	for steam and heat	Total : production:	plosives	dynamite	Days	Empl- acci-		acci-
Valley Cor L.V. No.	Valley Construction Co. L.V. No. 6 Vein Slope	Dauphin	1	92	1	,	92 t	50			3		1
White's V.	White's Vein Slope	Schuylkill	830	1,543	1,053	3	3,429 bb	ъ 520	1	278	~	ı	1
Skidmore Slope	Williamson Coal Co., Inc. Skichnore Slope	Schuylkill	11,860	27,312	21,635	153	096,09	oo0'97 o	225	294	22	ı	10
No. 7 Vein Sl	Mo. 7 Vein Slope	Dauphin	3	7	295	2	307 dd	100		107	2		1
	District Total		42,185	260,514	100,337	1,203	404,239	175,720	4,300	238	267		50
NOTE: (a)		1) one prepared at Underkoffler Breaker.					960 6 (4)	tone prendr	2 026 tone presented of Kochen Breaken - Matrict 15	" Brasker	- Diotri	71 14	
<u>e</u>		2,511 tons prepared at Kocher Breaker - District 15	District 15					ons prepared	915 tons prepared at Legal Breaker - District 15	reaker -	District	72.	
		at Superior Breaker	CT partner					ns prepared ns prepared	of tons prepared at Ord Mill breaker -District 13 15 tons prepared at Swatara Breaker - District 13	breaker Breaker -	-District	33	
(၁)		1,397 tons prepared at Underkoffler Breaker 11 tons prepared at Strohecker Breaker	ker				(1) 2,971 389 t	tons prepared	2,971 tons prepared at Schneck Breaker - District 14, 389 tons prepared at Oakwood Breaker - District 11,	ck Breake Breaker	r - Distric	tet 14	
(P)		110 tons prepared at Superior Breaker	71 +0 70+				(m) Worke	d 49 days re	Worked 49 days re-opening a mine-no production of coal.	mine-no p	roduction	of co	al.
(e)		1)870 tons prepared at Schneck Breaker - District 114	District 14					ons prepared ons prepared	507 tons prepared at Superior breaker 578 tons prepared at Underkoffler Breaker	r breaker ffler Bre	aker		
	16,801 tons prepared	16,801 tons prepared at Legal Breaker - District 15	District 15				8,207	tons prepar	8,207 tons prepared at Legal Breaker - District 15	Breaker	- Distric	t 15	
	This mine operated a	This mine operated as S. & S. Coal Co., Inc. Skidmore Slope	Inc. Skidmore Si	lope				ons prepared	117 tons prepared at Schneck Breaker - District 14	Breaker	- Distric	17 T	
	with 11 men, working	with 11 men, working 49 days, using 3200 lbs. explosives,	lbs. explosive	3,			(p) 1,108	tons prepar	1,108 tons prepared at Pine Creek Breaker	Creek Bre	aker		
(J)		producing 4,017 cons of coal, maying I non-latal accident All coal sold direct, umprepared to P.P.& L. Co.	k L. Co.	D.C.			3,437	ons prepared tons prepar	520 tons prepared at Superior Breaker ,437 tons prepared at Kocher Breaker - District 15	r breaker r Breaker	- Distri	ct 15	
		tember 30, 1968.					(d) 501 t	ons prepared	501 tons prepared at Strohecker Breaker	ker Break	er	. 1	
(8)	7 1	4,005 tons prepared at rine treek breaker 3,610 tons prepared at Legal Breaker - District 15	strict 15				(r) 14.48	ns prepared 7 tons prepa	90 tons prepared at Aocner Breaker - District 15 14.487 tons prepared at Strohecker Breaker	reaker - hecker Br	nstrict	7	
-	-7-	458 tons prepared at Kocher Breaker - District 15	strict 15					ons prepared	531 tons prepared at Pine Creek Breaker	eek Break	er		
(u)	1 420 tons prepared at The Creek breaker	of Sunceden Breaker					17 to	ns prepared	I/ tons prepared at Underkoffler Breaker	fler Brea	ker	1	-
	14,184 tons prepared	1,033 was prepared at Superior preaker 14,184 tons prepared at Legal Breaker - District 15	District 15					tons prepar	2,130 tons prepared at heldinger breaker - District II 6,930 tons prepared at Swift Breaker - District II	nger brea Breaker	ker - ma - Distric	trict	=
		11,215 tons prepared at Kocher Breaker - District 15	District 15					ons prepared	522 tons prepared at Malho Breaker - District 9	reaker -	District	6	
£.		Superior Breaker.	1					oal prepared	All coal prepared at Lykens Breaker.	Breaker.			
0		4,334 tons prepared at Oakwood Breaker - District Lu 3.776 tons prepared at Iegal Breaker - District 15	District 14				(u) All c	oal prepared	All coal prepared at Meadowbrook Washery.	rook Wash	ery.		
(k)	ì m	Superior Breaker	}					tons prepar	2,239 tons prepared at Superior Breaker	ior Break	er		
	19,057 tons prepared	19,057 tons prepared at Underkoffler Breaker	aker				5,184	tons prepar	5,184 tons prepared at Kocher Breaker - District 15	r Breaker	- Distri	ct 15	

						1	
		Non-	fatal	acci-	dente	werked over dents dents to member the member of the member	
			Fatal	acci-	dente	dents . 15	
				Empl-	OVPR	der strict	
				Days Empl- acci-	rked	breaken breaken breaken breaken c Breaken reaken	
			40		JAN.	ecker ne Cre erkoff or Break Break koffle cker B	
			Pounds	dynamite	used	(Horizon Bergaren da Largonean Predictor Joseph Jan. 1984).  2. Mot benn preparen da Largonean Predictor Species (M. 1984).  2. Mot benn preparen da Largonean Predictor Breader (M. 1984).  2. Mot benn preparen da Saperior Breader (M. 1984).  2. Mot benn preparen da Underhoffler (M. 1984).  2. Jone preparen da Underhoffler (M. 1984).  2. Jone preparen da Underhoffler (M. 1984).	
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	Pounds	permis-	sible ex-	Total : plosives	pesa	used  prepa ns prepar prepar prepar prepar prepar prepar	
	ı	**	**		ion	100: 100: 1,203 et 1,503 et 1,	
				Total	production: used	modulori used at the property of the property	
		ب	L'A	eam			
	ons	Used at	colliery	for steam	and heat	ou pur	
91	- net t	Sold	to	local	trade	ap page 1	
hstric	ction	· ·					
-1.	Produ		Shipped to market :	By	trucks	Truck	
District 10	Production - net tons		to ma				
			hipped	By	: railroad	And literate and the Check Results of And literate at 12 Income 2, 520 tons prepared at Pine Check Results of Andrew 12, 520 tons prepared at large for Results of Andrew 12, 520 tons prepared at Leaf Results of Andrew 12, 520 tons prepared at Leaf Results of Andrew 12, 520 tons prepared at Scheck Results of Andrew 12, 520 tons prepared at Scheck Results of Andrew 12, 520 tons prepared at Scheck Results of Andrew 12, 520 tons prepared at Scheck Results of Andrew 12, 520 tons prepared at Andrew 12, 520 tons prepared	3
	-				:	J. (2011) Reifs of prepared at Pine County, a railroad of prepared at Deneric Breaker.  Si uma prepared at Deneric Preaker.  Si uma prepared at Deneric Preaker.  J. 136 toma prepared at Strohesker.  J. 137 toma prepared at Strohesker.  J. 138 toma prepared at Strohesker.  J. 138 toma prepared at Strohesker.  J. 138 toma prepared at Strohes	
						Breake eaker r - hi eaker reaker reaker reaker reaker reaker reaker reaker reaker reaker reaker	1
					County	County Corest Co	8
						the Pine of the Pi	1
						MOTE: 107 1 A 252 tous prepared at Pine Chresh Reader (A) 25 year prepared at Pine Chresh Reader (A) 100 superpared at Superior Reader Entitle (A) 100 tous prepared at Superior Reader Entitle (A) 100 tous prepared at Legal Reader Entitle (A) 11 total prepared at Reader Reader - ME (A) 11 total prepared at Reader Reader - ME (A) 11 total prepared at Reader Reader - ME (A) 11 total prepared at Reader Reader - ME (A) 11 total prepared at Reader Reader (A) 10 total prepared at Reader Reader (A) 10 total prepared at Member Chical Reader (A) 10 total prepared at Member Chical Reader (B) 10 total prepared at Member Chical Reader (B) 10 total prepared at Member Chical Reader (B) 10 total prepared at Member (Chical Reader (B) 10 total prepared at Member (Chical Reader (B) 10 total prepared at Member (Chical Reader (B) 10 total prepared at Member (B) 10 total Member (B) 10 total prepared at Member (B) 10 total Member (B) 10 total Member (B) 10 total Member (B) 10 total Member (B) 10 to	9
					ies	1165 12 prept 12 prept 13 prept 14 prept 15 prept 16 prept 16 prept 17 prept 18 prep	To the second
					ollier	\$ 100   100	CHICA
					Operators and Collieries	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	3
					ators	E: (c)	
					Oper	NOT	



### REPORT OF OIL AND GAS DIVISION



### OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### ANNUAL REPORT 1968

INCLUDES ONLY WELLS COVERED BY OIL AND GAS CONSERVATION LAW EFFECTIVE SEPTEMBER 25, 1961

		1961	1962	1963	1964	1965	1966	1967	1968	TOTAL	
Drilling Permits Issued	i	19	69	94	98	46	62	25	14	427	
Cancellations as of en	1 1968	0	4	11	14	5	9	2	0	45	
Effective Permits		19	65	83	84	41	53	23	14	382	
Completion Report Filip	ng Status		-								
		1961	1962	1963	1964	1965	1966	1967	1968	TOTAL	
Reports Received as of	end 1967	18	65	82	80	39	52	16	-	352	
During 1968		-	-	-	1	2	1	5	9	18	
Unreported as of end 19	968	1	-	1	3	-	-	2	5	12	
Well Record Information	1										

	WILDC	AT WELLS	FIELD	WELLS	TOTAL	WELLS
	Gas	Dry	Gas	Dry	Gas	Dry
1961 Permits	1	11	4	2	5	13
1962 Permits	8	27	23	7	31	34
1963 Permits	16	17	37	12	53*	29
1964 Permits	6	25	43	7	49*	32
1965 Permits	6	26	6	3	12	29
1966 Permits	5	16	30	2	35	18
1967 Permits	1	6	11	-3	12	9
1968 Permita	1	6	2	_	3	6

<sup>(\*)</sup> Includes wells productive of both oil and gas 1-1963 Permit: 3-1964 Permits. Note: Wells having been projected to depths controlled by Oil and Gas Conservation Law, and not having reached such formations, together with wells having penetrated formations covered by the Conservation Law and found to be unproductive at such depths, thence plugged back to produce gas from shallow depths not covered by the Law, are considered for Commission purposes to be dry.

Wells under Commission Jurisdiction									
			P E	R	M I	T	S		
	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	1968	TOTAL
Wells Reported Productive	5	31	53	49	12	35	12	3	200
Dry Wells to be Plugged	1	1	2	1*	1	1	2	2	11
Active Wells Not Reported	_1	_=	_1	_3	_=	_=	_2	_5	12
	7	32	56	53	13	36	16	10	223
Less Productive Wells Produced and Plugged	_=	_3	6	_3	_	_=	_	_	_12
	7	29	50	50	13	36	16	10	211
*Disposal Well									
Number of Operators									
	1961	1962	1963	1964	1965	1966	1967	1968	
By Year	12	22	24	24	18	18	7	11	
Cumulative (Since 9/25/61 Effective Date of Law)	12	26	38	48	52	57	57	59	

Temperature,	Electric	and	Radioactivity Logs File	ed

			<u>P F</u>	R	M I	Т	S			
	<u>1961</u>	1962	1963	1964	1965	<u>1966</u>	1967	1968	TOTAL	
Number of Survey Logs	26	77	222	234	77	96	37	17	786	
Number of Wells Surveyed	12	27	71	78	34	28	17	6	273	

### Statement of Income - 1968

Drilling Permit Fees	14	Permits (	@ \$25.00	each	\$350.00
Spacing Order Application	Fee				250.00
		Total	Income		\$600.00

### OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### PERMITS BY COUNTY (Cancellations Excluded)

	<u>1961</u>	1962	1963	<u>196</u> 4	1965	1966	1967	<u>1968</u>
Armstrong Beaver Bedford Blair Bradford Cambria Cameron Carbon Center Clarion Ciestfield Clinton Crawford Elk Erie Fayette Fulton Greene Indiana Jefferson Juniata Lavrence Laycoming McKean Mercer Monroe Northumberland Potter Somerset	1961	1962 	1963 1	1964 	1965 - 1 3 1 - 2 2 1 1 1 1 1 1 1 3 - 2 2 7 7 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1966 2 - - 1 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - - - 1 1 -	1967 1 2 1 13 1 1	1968
Jones Warren Washington Wayne Westmoreland	1 1 - - 1	1 - - 7	1 - - 12	1 - 7	1 2 - 1 3	1 - 3	1 - 3	1 1 -
Number of Wells	19	65	83	84	41	53	23	14
Number of Counties By Year	13	18	18	18	23	14	8	10
Cumulative		22	26	28	31	32	32	32

### OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### PRODUCTIVE WELLS BY COUNTY (Excludes wells produced, depleted and plugged)

			P E	R	M I	T	S	
	1961	1962	1963	1964	1965	1966	1967	1968
Armstrong	_	_	_	_	_	_	_	_
Beaver	-	-	-	-	-	-	-	-
Bedford	-	4	9	5	-	-	-	-
Blair	-	-	_	_	-	-	-	-
Bradford	-	-	-	-	-	-	-	-
Cambria	-	-	-	-	2	1	2	1
Cameron	2	11	-	-	-	-	-	-
Carbon	-	-	-	-	-	-	-	-
Center	-	-	-	-	-	-	-	-
Clarion	-	-	1	1	-	-	-	-
Clearfield	1	1	1	2	-	-	-	-
Clinton	-	-	-	-	-	-	-	-
Crawford	-	2	19	33	1	-	-	-
Elk	1	2	-	-	-	-	-	-
Erie	-	-	-	-	-	-	-	-
Fayette	1	-	1	1	-	-	-	-
Fulton	-	-	-	-	-	-	-	-
Greene	-	-	-	-	-	-	-	-
Indiana	-	-	7	-	1	-	-	-
Jefferson	-	-	-	-	6	31	10	1
Juniata	-	-	-	-	-	-	-	-
Lawrence	-	-	-	-	-	-	-	-
Lycoming	-	-	-	-	-	-	-	-
McKean	-	-	-	-	-	-	-	-
Mercer	-	-	1	1	1	1	-	-
Monroe	-	-	-	-	-	-	-	-
Northumberland	-	-	-	-	-	-	-	-
Potter	-	5	-	-	-	-	-	-
Somerset	-	-	-	-	-	1	-	1
Tioga	-	-	-	-	-	-	-	-
Warren	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-
Wayne	-	-	-	-	-	-	-	-
Westmoreland	-	_3	8	_3	_1	_1	_=	_=
	5	28	47	46	12	35	12	3

### OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### Spacing and Integration Orders

During 1968, upon proper application for modification of the two spacing orders covering the Murrysville Pool, and after notice and hearing and a continuation thereof, Spacing Order 5-B was entered by which, due to developments in the pool and for geological reasons, 600 acres were released from control, 7,000 acres elsewhere adjoining the spaced area made subject to control, and minimum distances and units reduced as shown in the table below.

As of the end of 1968, there were 30,895 acres subject to Spacing Order control within the Commonwealth.

NAME OF POOL COUNTIES DISCOVERY DATE	SPACING ORDER AREA	SPECIFIC UNIT ESTABLISHED	MINIMUM DISTANCE BETWEEN WELLS	DISTANCE FROM UNIT BOUNDARY	MINIMUM UNIT
Five Forks Bedford 6-6-12	3,105 acres	7 units averaging 449 acres, but two wells were drilled on each of two units, making the average 345 acres per well	25001	6001	Specific units designated
Artemas Bedford 6-29-63	3,378 acres	12 units averaging 282 acres	2500'	6501	Specific units designated
Blairsville Westmoreland & Indiana 11-1-62	6,400 acres		30001	6601	400 acres
Murrysville Westmoreland & Allegheny 9-19-63	7,600 acres increased to 8,000 acres	2 units, approx. 600 acres each approved under original orders, 346 acres unit approved by latest order	4000' Reduced to 2200'	1400' Reduced to 400'	600 acres Reduced to 300 acres
Somerset Somerset 1-22-64	2,550 acres	4 units averaging 637½ acres	30001	10001	Specific units designated
Rager Mountain Cambria 1-19-65	7,462 acres	4 units averaging 659 acres	35001	10001	600 acres (750 acres maximum)

### OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### BOARD OF COMMISSIONERS

The Commissioners serve without compensation other than traveling and other necessary expenses.

The following are members of the Board of Commissioners:

Honorable H. B. Charmbury, Secretary Department of Mines and Mineral Industr	ries	Serving by Statute
Charles E. McGinnis, Chairman*	Representing	Major Oil
Quentin E. Wood, Vice Chairman*	п	Independent Oil
William E. Snee	н	Independent Gas
Harold J. Magner	н	Independent Oil or Gas
Charles P. Duncan, Jr.	11	Major Utility Gas
J. R. Wylie, Jr.	"	Major Non-Utility Gas

W. Roy Cunningham, Deputy Secretary, Oil and Gas Division, has served as a Commissioner, having represented Honorable H. B. Charmbury at the Commission meetings and hearings when Dr. Charmbury has been unable to be present.

Leon Ehrlich, Deputy Attorney General, and Edward S. Martin, Esquire have served as Legal Advisors to the Commission.

Robert J. Hartman is Secretary of the Commission.

### MEETINGS OF COMMISSIONERS

During 1968 the Board of Commissioners held 8 regular meetings to consider the administrative affairs of the Commission, conducted one public hearing and a continuation thereof, entered one spacing order modifying a previous spacing order, and held many informal conferences among themselves on the special problems of the Commission.

<sup>\*</sup> Elected December 12, 1968, to serve for the calendar year 1969, succeeding J. R. Wylie, Jr., Chairman, and Charles E. McGinnis, Vice Chairman.

TABLE #1

SUMMARY OF ACTIVITIES

		1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Ļ	Drilling Permits Issued in Coal Areas	308	334	320	313	296	277	350	320	364	331	320	325	299
23.	Drilling Permits Issued Coal Areas Act 359 #	ı	1	ı	ı	1	6	34	43	72	8	57	777	77
ω,	Total Wells Coal Areas (Items 1 and 2)	208	334	320	313	596	286	384	363	388	351	371	349	311
7.	Drilling Permits Issued in Non-Coal Areas	1	1	1	1	1	1	1	ı	1	ı	1	1	297
5.	Drilling Permits Issued Non-Coal Areas Act 359 #	ı	1	1	1	1	10	35	51	47	26	Ħ	ч	2
9	Total Permits Issued (Items 3, 4, and 5)	208	334	320	313	296	296	439	414	797	378	385	350	019
7.	Reported Wells in Non-Coal Areas-File Numbers Issued	*249	*849	*****	*567	*643	*429*1	44.5%	532*	782*	653*	653*	*099	*869
00	Total Wells Non-Coal Areas (Items 4, 5, and 7)	642	829	744	465	643	1.27	084	583	856	629	799	199	266
6	Total Wells Coal and Non-Coal Areas (Items 6 and 7)	850	1012	1064	808	939	763	498	946	1244	1030	1035	1010	1308
10.	Total Drilling Permits Issued Act 359 (Items 2 and 5)#	ı	1	ı	ı	1	19	69	7/6	96	941	62	25	77
7	Drilling Canceled - Permits and Non-Coal File Numbers	ı	Н	77	53	281	64	60	77	27	118	82	07	270
12.	Wells Reported Drilled	375	819	888	466	646	782	992	67/2	1149	896	266	943	1045
3.	Flugging Numbers Issued	66	171	176	226	245	368	569	9772	372	287	564	358	1246
4	Flugging Numbers Canceled	1	N	٠	19	6	8	12	27	83	15	7	22	22
15.	Wells Reported Plugged and Abandoned	20	130	011	181	237	243	254	204	353	267	319	995	485
79.	Pillar Permits Issued	259	195	7	42	105	128	87	108	105	3745	599	172	175
17.	Pillar Permits Canceled	1	1	1	1	1	1	6	1	CZ	67	ч	1	ч
							100	,						

Act 359 of 1961 - Oil and Gas Conservation Law, Approved July 25, 1961. Effective Date September 25, 1961.
The to September 30, 1968 Fearlist were not required for wall at Non-Oaal Areas, accept Noise walls are onling within purview of Act 359 of 1961.
Act 265, Approved July 31, 1968, Effective September 30, 1968 - requires Permits to be Issued for all walls.

TABLE #2 SUMMARY OF ACTIVITIES BY COUNTIES JANUARY - DECEMBER 1968

		Total	1	1	1	1	1	1	77	1	1	1	П	1	1	П	1	1	1	1	2	1	1	1	П	П	1	1	П	1	1	1	7	7	14+	
	DRILLING PERMITS ISSUED ACT 359 of 1961	Non-Coal Areas	1		1	1	1	1	7	1	•	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	1		1	1	,	,	1	,	1	2	
	DRITLING 1	Coal Areas	ı	1	1	1	1	1	~	1	ı	1	г	1	1	٦	ı	1	ı	1	2	г	1	1	1	н	1	1	٦	1	1	1	7	п	12	
	Pillar Permits	Canceled	1	Н	1	1	1	1	ì	1	1	1	1	1	,	1	1	ı	ı	1	1	1	ı	1	1	1	ı	1	1	1	1	1	1	1	-	
	Pillar	Issued	20	28	1	ı	ı	72	1	1	1	1	77	ı	1	1	1	ı	1	33	7	п	ı	1	1	1	ı	1	1	1	1	1	56	C4	175	
י ברניאו	Reported Flugged &	Abandoned	17	53	7	2	п	17	п	1	٦	17	10	3	2	2	7	5	9	8	77	50	3	ri	123	45	П	6	- 1	1	77	35	19	777	485	
JANUARY - DECEMBER 1968	Plugging	Canceled	1	9	1	1	1	г	1	ı	1	3	1	ı	1	Н	ı	1	ı	г	٦	2	1	ı	П	~	1	1	1	ı	1	ı	-	2	22	
ANUARY - D	Plugging Numbers	Issued	15	38	П	2	ı	23	Н	п	П	318	97	7	2	7	15	5	H	17	77	58	'n	H	551	747	П	ম	1	1	777	284	19	27	1246	
J	Wells Reported	Drilled	П	24	П	1	ı	7	4	1	٦	77	2	1	Ħ	13	00	3	31	٦	139	19	Н	2	233	Н	٦	29	н	1	93	303	2	52	1045	
	Drilling	Canceled	ı	2	1	1	1	1	1	1	ı	3	1	1	4	1	1	ı	ı	~	2	5	ı	Þ	ZZ.	1	1	9	ı	ı	1	105	٦	4	270	
		Total	100	94	Н	ı	1	00	4	ı	П	15	2	п	22	19	00	4	38	2	160	55	п	2	315	г	г	32	Н	П	167	368	3	22	1308	
	Wells Non-Coal	Areas	ı	~	П	ı	1	1	1	ı	ı	3	ı	ı	6	Ħ	60	1	30	1	1	9	П	2	202	1	Н	29	1	1	26	315	Н	ı	*869	
Dovemito	Issued Non-Coal	Areas	1	2	ı	ı	1	ı	П	ı	ı	7	ı	ч	13	7	1	٦	60	ı	1	П	1	ı	113	ı	ı	m	1	ч	75	53	ı	1	299	
	Permits Issued	Coal Areas	00	177	1	1	1	00	8	1	Н	60	2	1	1	П	1	3	1	2	160	847	ı	1	1	Н	1	1	П	1	1	1	2	22	311	610
		County	Allegheny	Armstrong	Beaver	Bedford	Blair	Butler	Cambria	Cameron	Centre	Clarion	Clearfield	Clinton	Crawford	MD.	Erie	Fayette	Forest	Greene	Indiana	Jefferson	Lawrence	Luzerne	McKean	Mercer	Monroe	Potter	Somerset	Tioga	Venango	Warren	Washington	Westmoreland	A MOM	TOTAL

Permits were not required for wells drilled in non-coal areas prior to September 30, 1968. Act 265, approved July 31, 1968, effective September 30, 1968 - requires permits to be issued for all wells. \*

(+) Ancluded in Total of 610 Drilling Permits Issued.

# SUMMARY BY COUNTIES AND COMPANIES OF DRILLING PERMITS ISSUED

TOTAL	<i>แพนาธน</i> สารฐาคนากา ารูกรกนาก
Tioga Venango Warren Washington Masteroraland	
McKean Mercer Potter Somerset	111111111111111111111111111111111111111
Fayette Forest Creene Totalene Indiene	
Clearfield Clinton Crawford Elk	
Butler Cambria Centre Clarton	
Allegheny	
COMPANT	Andreases and Hilady Company Armiar & Carpiany Armiar & Carpiany Mark of Carbia And District Bank Dil & Gas Company Hissett Countraction History Hissett San Dil Company History

TOTAL.	~ ua \$~ uuuuuuuuuuuuuuuuuuu
Mestmoreland	III IIIIaiiiiiiiiiiiiia
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Marren	1 1 1 19 1 1 1 1 6 1 1 1 1 1 1 1 1 1 1 1
Venango	WIL 111111111111111111111
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Greene	
Forest	
Fayette	
शाष	
Grawford	111 11111111111111111111111111111111111
Clinton	
Clearfield	
Clarton	110 IIIIIalaaliilaliilii
Centre	
Cambria	TIL MILLITHIAN
Butler	
Snortem1A	111 1111111111111111
VJJegheny	Ter Thirming
СОМРАКТ	Eache John C., Sr. Editable ac Company F. 45. Dilling Company G. 45. Dilling Company F. 5. Dilling Company F. 45. Dilling Company F. 5. Dilling Company F. 5. Dilling Company F. 5. Dilling Company France F. 45. Dilling Company France F. 45. Dilling Company France France F. 47. Dilling Componention France Franc

### ${\tt TARLE} \; \# \; 3$ SUMMARY BY COUNTIES AND COMPANIES OF DRILLING PERMITS ISSUED

ANTONO	gheny	et			ron		biol		911				erson				feet				notzat	morelano	TOTAL
COPTABLE		Butl	фаво	trec	Clar	CTTD		সমে	Faye	Fore	9919	ţpuI		McKe	Merc	Pott	1	PotT	Vena	Mari			
Jeans Gas Company	1	1	1				'	'	'	1	'	R	'	'	'	'	'	'	'	'	1	- 1	N
W F Oil Company	1	1	1	1		1	1	1	1	1	•	1	1	1	1	1	1	1	1	Н	1	1	-
Kerpee, Stanley J.	1	1	1	,	1		9	•	1	1	1	2	•	1	1	1	1	1	1	1	-	7	16
Kewanee 011 Comparty	1	1	H	,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7
Kinley Oil & Gas Corporation	1	1	1	,	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1	2
oh, George L. etal	1	1	1	,		,	1	1	1	1	1	1	1	٦	1	1	1	1	1	1	1	1	7
utch, Vincent	1	1	1		1			'	1	1	1	R	-	1	1	1	1	1	1	1	1	1	~
LaHare Oil & Gas Company	1	1	1	1	-		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	٦
(A. J. Harvey)																							r
Descer com company		7	1																		۱	•	4
Lenco Drilling company	1	ı	1	1		1	1	1	1	1	1	1	1	٦	1	1	1	1	1	1	1	ı	-
ngenfelter, Jack n.	-	1	1	,			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ı	~
nn, Earl H.	1	1	1	-			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Louden Production Company	-		-						1		-		-			1	-	-	1	-	-		-
Corntck, Sanford E.										7		-	-	-	-	1	1	-	-	-			1 ~
McKenna, H. A.		1								1 1			1	-	-		-		1	-	1		
mufacturers Light & Heat Co., The		1							-	1				1					1			1	1 -
Matway, John E.									10	1 1			1	1	1	1	1	1	1	1	1	1	40
laws. James A.	1	1							4				1		1 1	1			1 1		1	1	10
seer Oil Corporation	1	1	1		,			1	•		'			1 4	1		1	1	1				2 4
d-Atlantic Oil & Gas Company	1	1							1	1	1	1 4		D		1	1						D W
d-East Oil Company	1 0	1										1	4		-							1	۰.0
Minnich, Joseph Heirs	1 1	1					' '	1	1	1	1	1 1	) 1	-	1	1	1		1	1	1	1	`~
Minter Lee R.			1	1		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Н

TABLE #3
SUMMARY BY COUNTIES AND COMPANIES OF DRILLING PERMITS ISSUED

TOTAL	uusevy884euu8uuuaauuuseuu
Mestmoreland	1111100111111111111111111
Mashington	
Warren	441141141111111111111111111111111111111
Venango	
Tioga	
Somerset	111118111111111111111111
Potter	11118111111111111111111
Mercer	
Мскевл	11118
nosrallat	111112
ansibnī	1166124184111161111111
Greene	
Forest	111101111101111111111111
Fayette	
সত্র	111101111111111111111111111111111111111
Crawford	
Clinton	11118111111111111111111111
Clearfield	11111114111111111111111111
Clarton	111111411111111111111111111111111111111
Centre	
Cambria	1111441111111111111111111
Butler	1111418111111111411116
Armst rong	1141160111114411111411
Allegheny	1111114141111111111111111
COMPANY	Morrison, Ralph North Supply Company North Ferm Fige & Supply Company Person Cast, Incorporated Person Cast, Incorporated Person Cast, Incorporated Person Supply Cast Company Personal Value Cast Co., The Personal Cast Co., The Property Late of Company Property Late Cast Company Property Late Cast Company Property, Domann Cast Cast Company Cast Cast Cast Cast Cast Cast Cast Cast

TABLE # 3

# SUPPLART BY COUNTIES AND COPPANIES OF DRILLING PERMITS ISSUED

TOTAL	п	1		N	41	0	i		-40	¥	17	-	1 11	1	-1	1
brateromieeW	,	1	1.1	1	1 1	ı	1		10	v	ī		1		1	1
Maehington	-	1	1-1	1	1 1	1	1	1 1	1	ı	1				1	ı
Merren	1	-	1 1	1	1 1	- 1	г	1 1	4	ı	ı	-	1 1		1	1
oguæue∧	1	1	1 1	1	1 ~	- 1	1.	۱ ا	1	ı	1	-	Н		1	1
AgoiT	- 1	-1	1 1	1	1 1	- 1	1	1	1	1	1				1	1
Somerset	1	1	1 1	1	1 1	1	1	1	1	ı	1	- 1	- 1		1	1
TettoT	1	1	1 1	1	1 1	- 1	1	٠,	4	1	1	-	- 1		1	1
Mercer	1	1	1 1	1	1 1	ı	1	1	1	1	1	- 1	- 1		1	1
Мскевп	- 1	1	1-1	α.	4 1	- 1	1	1	1	ı	7	-	- 1		1	1
noerellet	- 1	-1	1 ~	1	1 1	- 1	1	1 1	1	ı	1	-	. 1		1	1
ansibnī	- 1	-1	1 1	1	1 1	-	1	1 1	1	1	1	- 1	-1		1	1
Greene	1	1	1 1	1	1 1		1	1 1	1	1	1	- 1	- 1		1	1
Forest	1	1	1 1	1	1 1		1	1 1	1	ı	.1	- 1	- 1		1	1
Fayette	1	1	1 1	ı	1 1	- 1	1	1	1	ı	1	-	-1		1	1
সহে	1	1	1 1	1	1 1	- 1	1	1 1	1	ı	1	- 1	-1		1	1
Crawford	1	-1	1 1	1	1 1	- 1	1	1 1	1	ı	ı	-	-1		1	1
Clinton	'	-1	1 1	1	1 1	- 1	1	1 1	1	ı	1	- 1	-1		ı	1
Clearfield	1	ı	1 1	1	1 1	- 1	1	1 1	1	1	1	1	-1		1	1
Clarton	1	1	1 1	1	1 1	- 1	1	1 1	1	ı	1	- 1	-1		1	1
entreo	1	1	1 1	1	1 1	1	1	1 1	1	ı	1	1	-1		1	1
Cambria	1	1	1 1	1	1 1	- 1	1	1 1	1	1	1	1	1		1	1
Butler	1	1	1 1	1	1 1	- 1	1	1	1	ı	1	1	-1		1	1
gnor tamiA	1	1 -	<b>→</b> 1	1	1 1	Н	1		-1	1	1	- 1	-1		Н	-
YTTegheny	1	1	1 1	ı	1 1	- 1	1	1 1	1	ı	1	- 1	-1		1	-1
	e The		•						g	ion			lc.	.or		
COMPANT	Snee, William E. & Eberly Orville & Peoples Matural Gas Company, The	Sylvania Corporation, The T. & N. Engineering Company		Van Tine Oil Company	Venango Development Corporation	evelopment	Wallace, John J.	Waugaman, Paul A.	Westingbons Meeting Componstion	Materials Manufacturing Division	Witco Chemical Corporation Kendall Refining Co. Division	Wolfe, J. J.	Wolf's Head Oil Refining Co., Inc	Permsoil United, Inc., Operato		Wright, Ralph S. etal

Table # 3  $$^\circ$$  convites and companies of drilling permits issued

	TOTAL	пп	610
	Westmoreland	1.1	8
	Mashington	1.1	N
	Warren	A 1	23
	Venango	1.1	25
	Tioga	1.1	ч
-	Somerset	1.1	ч
	Potter	1.1	~
	Mercer	1.1	-
	МсКевл	1.1	113
	defferson	1.1	64
	snalbnl	1.1	
	Greene	1.1	2 160
	forest	1.1	€0
	Payette	14	4
	ятя	1.1	80
	Crawford	1.1	13
	Clinton	1.1	-
	Clearfield	1.1	2
	Clarton	1.1	ឌ
	Centre	1.1	-
	Cambria	1.1	4
	Butler	1	w
	gnor tamri A	1.1	67
	Allegheny		8
	,	' '	
	COMPANT	Tork Oll Company Zenith Exploration Company	TOTAL
		1	l

TABLE #4
SUMMARY BY COUNTIES AND COMPANIES OF REPORTED WELLS NON-COAL AREAS

1968
DECEMBER,
-1
JANUARY

TOTAL	
Mashington	
Warren	4 61111411161611751111641
Venango	1 11112/14111111111111111111111111111111
Potter	1 11111111111111111411111
Monroe	1 111111111111111111111111
McKean	1 111111110411140110111111
Inzerne	1 11,11111111111111111111
Lawrence	1 11111111111111111111111111
noerellet	1 11111111111111111111111
Forest	1 1120111114111111111111
Erite	1 111111111111111111
সম	1 111111111111111111111111
Crawford	
noirsIO	1 11,111,111,111,111,111,111
Beaver	1 14111111111111111111111
gnortemak	
COKPIANT	A & D Oll Company (Arthur K. B. Derotty R. Wickiam). Allen Oll & Gas Company Armediar Gas Company Armediar Gas Company Armediar Gas Company Ballow & Landers D. Company Ballow & Landers D. Company Ballow & Landers D. Company Ballow & Lander Company Ballow & Lander Company Ballow & Gas Company Ballow & Gas Company Benson, Charles Ballo Oll & Gas Company Byle, Rallow & Son, E. Benson, Charles Benson, Charles Britton, While, D. A. Bertton, While, D. Company Boll, P. D. E. Benson, Company Byler & Son, E. Benson and Repp. Ballow Oll Company Ballow Oll Company Ballow Oll Company Ballow Oll Company Lander Oll Company Lander D. Company Ballow Oll Company Lander D. Company, Licoryporated Cady, My-le H. (Fmly,

Table #4. Supplements and comparies of reported wells non-coal areas

- DECEMBER, 1968

JANUARY

TOTAL	
notgninesW	
Marren	22 1 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Venango	TITTI TI ATTIATTI ATTITI
Potter	
Monroe	111111111111111111111111111111111111111
МсКевп	111111111111111111111111111111111111111
Inzerne	111111111111111111111111111111111111111
Lawrence	
lefferson	
Forest	
Erie	
সম্ভ	11411111111111111111111111
Crawford	
notasio	
Beaver	111111111111111111111111
gnortemnA	
COMPANY	Chili and Regaett (O. W. Hogsett, Operator) Clopp and Son, John Clopp and Son, John Clopp and Son, John Cloth Son, Son Corrector Churis and Son, Howard Martes and Sons, Howard Martes and Sons, Brhand Martes and Sons, Ethand Martes and Company, Incorporated Martes and Company, Incorporated Martes Sons, Onhor C. Martes and Company, S. H. Martes Sons, Ethang, S. H. Martes Sons, Ethang, Martes and Pennsylvania Gas Company Prederiot, Don C. Geers, I. I. & Patnam, H. Geers, I. I. & Patnam, H. Green, Martes and Pennsylvania Company Grossh Marchers and Pennsylvania Carson Marchers Grossh Marchers Gross Marcher Gross Marc

TABLE ##

TABLE ##

TABLE NON-COAL AREAS

SUMMARY BY COUNTIES AND COMPANIES OF REPORTED WELLS NON-COAL AREAS

TOTAL	844777777777777777777777777777777777777
Mashington	
Warren	111110411014141411111161
Venango	
Potter	111111111111111111111111111111111111111
Monroe	
Мскеап	111111111111111111111111111111111111111
Inzerne	
Lawrence	TITTELLI TITTILLI TITTILLI TITTILLI T
lefferson	11411,11111111111111111
Forest	w1141111111111111111111111111111111111
etri	Tellinininininininininininininininininini
সমে	
Crawford	111111111111110111111111111
Clarion	
Beaver	
gnortemia	11111110111111111111111111
сокрыт	H. & B. Oll Company Hanley and Rivel Hanley and Rivel Hannon, E. L., Agent Heath, Carl R. Heath, Carl R. Hondon, E. L., Agent Heath, Carl R. Hondonsul, O. W., Trustee Hondonsul, Corris A. Hondonsul, Corris A. Hurtingcon, H. H. Hurtingcon, H. H. Hurtingcon, H. H. Hurtingcon, H

There #4 submary by comparings and comparing of reported wells non-comparables

TOTAL	440004408044080456004448
nojgninssW	1,11,11,111,111,11,11,111,11
Marren	24 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Venango	111111111111111111111111111111111111111
Potter	110111111111111111111111111
Monroe	-
WcKean	44141440114111188111411111
Inzerne	11111111111111111111111111
Lawrence	
nosraffat	11111111111111111111111
Forest	111111111111111111111111111111111111111
Erie	111111111111111111111111111111111111111
সম	
Crawford	11111111111111111111111111111
Clarton	111101111111111111111111111111111111111
Beaver	11111111111111111111111111111
gnortemnA	
СОФАЛТ	Lenco Drilling Company Hallin, Earl H. A.  Reformal, O. C.  Reformal, A. A.  Mays, James A.  Mayse, James, James A.  Mayse, James, Jame

# Thele $\# \iota$ subgraphs on companies of reported wells non-coal areas

TOTAL	93244488444884468 6 4
notaninesW	
Warren	13211124111142112111 1 1
Venango	111111111111111111111111111111111111111
Potter	11,,11,1,18,1,1,1,1,1,1,1,1,1,1,1,1,1,1
Monroe	
McKean	11111011114111111000 0 1
Luzerne	
Lawrence	
lefferson	
Forest	~
Frie	
সত্ৰ	willerilling in it is it.
DiolwBiO	
noiralO	
Beaver	
gnordemia	
ОСКЕВАНТ	Shriver, Jack L. Stanier, Jack L. Stanier, C. G. Stanier, C. G. Stanier, C. G. Stanier International Fetroleum Corporation Sylvania Corporation, The Tap & Courts Tap & Courts Taylor, Taylor & Cherry Taylor, Taylor, Taylor, Taylor Taylor, Cherry Taylor,

SUMMARY BY COUNTIES AND COMPANIES OF REPORTED WELLS NON-COAL AREAS 896 TABLE #4

ř
DECEMBER,
ı
JANUARY

1		
TOTAL	בונייט מונו	869
notgaidesW	141111	Н
Marren	1110/11	315
Venango	112141	92
Potter		59
Monroe	11111	-
McKean	11111	202
Luzerne	11111	0
Lawrence	11111	_
lefferson	11111	9
Forest	атті	30
Erie	TITLE	α
সম	11111	=
brolwerd	11111	o
noinalO	11111	6
Beaver	11111	-
gnoriemiA	11111	~
СОБРАМ	Welco, Incorporated (Warren E. Letterman) Marton, C. C. Wolderk, Letter E. Wolde, J. J. Woods, A. D. Worldwide Petroleum Corporation	TAFOE

# TABLE #5 SUMMARY BY COUNTIES

# TYPE OF WELLS REPORTED DRILLED

County	Octal Wells Drilled	Ges	Gas & Oil	011	Storage	Intake	Dry	Waste Disposal	Salt Water & Other	Test
Allegheny Armstrong	11 47	8 39	=	1 -	1 -	-	1 8	-	=	-
Beaver Butler	7	ī	1	2	Ξ	-	4	Ξ	-	-
Cambria Center Clarion Clearfield Crawford	4 1 14 2 11	3 9 2 10	1	2 -	:	:	1 2 -	:	-	=
Elk Erie	13	3 3	Ξ	6	Ξ	Ξ	4	ī	-	-
Fayette Forest	3 31	1	ī	26	-	-	2	Ξ	-	-
Greene	1	-	-	-	-	-	1	-	-	-
Indiana	139	130	-	-	1	-	8	-	-	-
Jefferson	61	57	-	1	-	-	3	-	-	-
Lawrence Luzerne	1 2	Ξ	1 -	-	_	Ξ	2	-	-	_
McKean Mercer Montour	233 1 1	6	9 -	125	Ξ	86 - -	7 1 1	-	Ξ	-
Potter	29	-	-	3	22	3	1	-	-	-
Somerset	1	1	-	-	-	-	-	-	-	-
Venango	93	1	-	90	-	1	1	-	-	-
Warren Washington Westmorelan	303 2 d 25	1 20	15	266 1 -	Ē	15	7 - 5	Ξ	= '	-
TOTAL	1045	295	28	524	24	105	68	1		_

pur

TABLE #6
SUMMARY BY COUNTIES AND COMPANIES OF PLUCATIVE NUMBERS ISSUED
JANUARY - DECEMBER, 1968

	1																								
TOTAL	П		٦.	н	19	Н	ч	N	m	c	Н	N	ч	2	,	-1	2	٦	Ħ	٦	ч	Н	п	Н	2
Mestmorela	1		ı	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	Ċ
Washington	1		ı	ı	1	1	1	ı	1	1	ı	ı	1	1		ı	1	1	1	1	1	1	ı	ı	1
Warren	-		L	Н	ı	ı	1	ı	ī	C2	ı	ī	ī	2		ı	ī	ı	ı	~	Н	ı	ī	ı	ī
Venango			ı	1	19	ī	ı	ı	ı	ī	ı	ı	ī	1		í	1	ı	ı	ı	ı	ı	ı	ı	ī
Potter	1		ı	ı	ı	i	ī	ı	ı	ī	ı	1	1	ī		1	ī	ı	ì	ı	ı	1	ı	ı	ī
Monroe			ı	ı	1	ı	1	1	ı	ı	1	ı	1	ı		ı	ı		1	ı	ı	ı	ı	ı	ī
Mercer	1		ı	í	ı	ı	1	ı	ı	ı	1	ı	ı	1		ı	ī	ı	ı	ı	ı	ī	ı	ı	ı
McKean	1		ı	ı	ı	ı	ı	ı	ı	ı	Н	ı	ı	1		1	ī	ı	1	1	ı	ı	ı	ı	ī
Puzerne	1		ı	ı	ı	ı	ı	ı	ı	ı	ŧ	ı	ı	1		ı	ī	ı	1	ı	ı	ī	ı	ı	1
Lawrence	1		ı	ı	ı	ı	ī	ī	ı	ı	ī	ī	ı	ı		ı	ī	ī	ı	ı	ı	ī	ı	ı	ī
nosiellel			ı	í	ı	ī	ī	ī	ı	ı	ı	ī	ı	ı		ı	ī	ı	Н	1	ı	ī	1	ı	ı
ansibnī			ı	ı	ı	Н	ı	Н	ı	ı	ı	ī	ı	ı		ı	ı	ı	Н	ı	1	Н	1	ı	ı
Greene	,		ı	ı	ı	1	ı	ī	ı	ı	1	cv	ı	1		ı	ŧ	ī	ı	ı	1	ı	Н	1	ī
Forest			ı	ı	ı	ı	н	1	ı	ı	ı	ī	ı	ı		ı	1	ı	ı	1	ı	ī	1	ı	ı
Fayette	1		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı		ı	ī	ı	ı	1	ı	ı	ı	ı	ı
Errie	1		ı	ı	ı	1	1	1	1	1	1	1	ı	1		ı	2	H	1	ı	1	1	1	ı	ı
সম			ı	í	ı	ī	1	ı	ı	ı	1	ī	ı	ı		ı	ī	ı	ı	ı	ı	ī	ı	ı	ı
Crawford	1		ı	ı	ı	ı	1	ı	1	1	1	1	ı	ı		ı	1	1	1	1	1	1	ı	ı	1
Clinton	,		ı	ı	ı	1	ī	ı	ı	1	1	1	ī	1		ı	ī	1	4	1	1	1	1	ı	ı
Clearfield	,		ı	ı	ı	ī	ī	ī	ī	1	ī	1	1	1		ı	ī	ı	1	1	1	ī	1	ı	ı
Clarion	,		ı	ı	ı	ī	ı	ı	ī	ī	ı	1	ī	ī		ı	ī	ı	ī	ı	ī	ı	ı	ı	ī
Centre	,		ı	1	ı	ī	1	ı	ī	ı	ı	1	1	ī		ı	ī	1	,	1	1	1	ı	ı	ı
Cameron	,		ı	ı	ī	ı	1	1	1	ı	ī	ı	ī	i		ı	i	ı	ı	1	ī	1	ī	ı	ı
Cambria	,		ı	ı	ı	ı	ı	ı	ī	ī	1	ı	ı	ī		ı	ī	ı	ı	ı	ı	ı	ı	ı	ı
Butler	,		ı	ı	ī	1	ı	ı	~	ī	ı	ı	Н	1		ı	ī	i	ı	ı	ı	1	ī	ı	1
Bedford	,		ı	ı	ı	1	ı	ı	ī	ı	ı	ı	1	1		ı	ı	ı	7	ı	ı	ı	ī	ı	ı
Beaver	,		ı	ı	ī	1	ı	1	ī	1	1	ı	ī	1		í	ī	ı	1	1	ı	ı	ī	Н	ī
gnortemnA	,		4	ı	1	1	ı	Н	ī	ī	ı	ı	ī	1		í	ī	ī	н	1	1	1	ı	ı	ī
Allegheny	1		ı	ı	ı	1	ı	ı	1	ı	ı	ı	1	1		4	ı	ı	ı	1	1	ı	ı	ı	1
COMPANY	Angle & Young	(Fmly, Equity Oil Company)	Apollo Gas Company	Baker, Sheldon E.	Beck, J. Lowell	Betz Oil Incorporated	Bittinger Drilling Company	Boyd and Shriver	Bracken Construction Company	Brown and Keppel	Bucher Oil Company	Burns, Inc., Ross	Butler, and Craig	Cady, Myrle H.	(Fmly, Myrle L. Cady & Arthur H. Denton)	carnegle Natural Gas Company	Cayman Corporation	Chemco, Incorporated	Consolidated Gas Supply Corporation	Curtis and Son, Howard	Curtis and Loop	Delta Drilling Company	Dunn-Mar Oil and Gas Company	Duquesne Light Company	Eberly, Orville, etal

# TABLE #6 SUMMARY BY COUNTIES AND COMPANIES OF PLUGGING NUMBERS ISSUED JANUARY - DECEMBER, 1966

н	
TOTAL	\$4000000000000000000000000000000000000
Westmoreland	11111111 111111111111111111111
Washington	
Warren	11111111 1110111111111111111
Venango	TITLITE HALLITHIA
Potter	
Monroe	TITALITE TITLITICATION
Mercer	
McKean	8111111 1111111111111111111111111111111
Puzerne	TITALLI TITLITITITI
Lawrence	
lefferson	THEFT THE THEFT THE
Ensibnī	TITITI TITITITI HARTIT
Greene	Talling Thirting
Forest	111111111111111111111111111111111111111
Fayette	
Erie	TIWITHII HATTIIIIIIIII
সম্ভ	
Crawford	
Clinton	11111111 11111111111111
Clearfield	TITLITE TITLITETT
Clarion	
Centre	
Cameron	11111111 1111111111111111
Cambria	
Butler	
Bedford	TITIATIT TITITITITITITI
Begver	
gnortemnA	TATTITI TITTITITITI
Allegheny	ואוווומא וווווווווווווווווווווווווווווו
COMPANY	Elder and Company, S. H.  Erder and Company, S. H.  Erde, Gity of Reders-Lopment Authority  Farmers (see & Goll, Incorporated  Felmont Goll Corporation  Felmont Goll Corporation  Felmont Goll Corporation  Fisher, Issae M.  Gontz, Fenna, Dept of Highways)  Flandigan Forbers & Pennsylvania Gas Co.  Flandigan Forbers & Pennsylvania Gas Co.  Francism, R. Co. Golders Dept of Highways)  Flandigan Forbers & Pennsylvania Gas Co.  Francism, R. Co. Gomery  Grain, R. C. Dernich Gompany  Grain, R. D. Drilling Company  Herzog, McCharl B.  Herzog, Richard B.  Herzog, Richar

TABLE #6
SUMMARY BY COUNTIES AND CONFANTES OF FLUCCING NUMBERS ISSUED

TOTAL	1 1 1822113254
bnsleromteeW	d
Meehington	
Marren	111811111111111111111111111111111111111
Venango	111111111111111111111111111111111111111
Potter	tiitiiiiiiiiiiiiiiiiiiiiiiiiiiii
Monroe	
Mercer	
McKean	11222
Inzerne	
Lawrence	TITLITET TO THE TOTAL TO THE
noerellet	191111111111111111111111111111111111111
anathmI	
Greene	
Forest	*
Fayette	111111114111111111
Erte	
EJK	TOTAL CONTROL OF THE TOTAL CON
Crawford	
Clinton	
Clearfield	í∞ılılılılılılılı
Clarton	11111111444141111641 1 1
Centre	TITLITIA III III III III III III
Cemeron	
Cambria	
Butler	TITITION TO THE E
Bedford	
Begver.	
Armetrong	111111111011111111111111111111111111111
Allegheny	11111811111111111111
ожения	Gerpe, Stanloy J.  George J. Company  Tatroy Dil Tompany  Tatroy Bail  Tatro Brilling Company  Tatro Brilling Company  Tatroy Bail  Tatro Company, The  Mendacturers Light & Heat Co., The  Mendacturers Light & Heat Co., The  Mendacturers Light & Heat Co., The  Mendacturers Light & Heat  Mendactur

# TABLE #6 SUMMARY BY COUNTIES AND COMPANIES OF FLUGGING NUMBERS ISSUED

TOTAL	38 38 38 38 38 38 38 38 38 38 38 38 38 3
Westmoreland	1111 8114411111111 11111 4 26 8 4 E
Mashington	1111 111141111111 41111
Marren	gili illilligillili liala
Venango	
Potter	
Monroe	
Mercer	1111 511111111111111
McKean	38
Inzerne	
Lawrence	
lefferson	1111 1114/111111111111111111
ansibnI	1111 2112111111111111111111111111111111
Greene	TATE ATTITUTE TO THE
Forest	TITE DATE TO THE
Fayette	TITE TITETTE TELLE
Erie	0.1.1.
সম	aisi illiliallilli illai
Crawford	
notnilo	
Clearfield	
Clarion	1111 0111111111111
Centre	
Cameron	1111 111111111111111111111111
Cambria	THE THIRD THE TELL
Butler	1141 4118111111111411 11111
Bedford	
Besaer	
gnortemnA	1111 01104171414111 11111
Allegheny	1111 14111110111141 11111
COMENNY	Pennaylvaria Gas Company Pennaylvaria Gas Company Pennayl Hitsel, Incorporated Pennayl Hitsel, Incorporated (Pinty, Suth Penn All Company) Peoples Matural Gas Company, The Phillips, Agent, Marry F. Phillips Gas Company Shaloote Gil & Company Shaloote Gil Company Shaloute Gil Company Shaloute Gil Company Furnis Gil Company

# TABLE #6 SUMMARY BY COUNTIES AND COMPANIES OF FLUGGING NUMBERS ISSUED

TOTAL	128 8 4 2 2 1 2 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1	o <u>o</u> dunen uun
Westmoreland		1 111111 111
Mashington	10-11 1 111 11	1 811111 111
Warren	1111 1 111 11	9 111111 111 111
Venango	1141 1 116 14	1 181111 111
Potter	1181 1 111 11	1 111111 111
Monroe		1 111111 111
Mercer	1111 1 111 11	1 111111 111
McKean	1101 0 111 11	1 111401 111
Luzerne		1 111111 111
Lawrence	1111 1 111 81	1 111111 111
lefferson	1100-1 111 11	
snaibnī	1111 1 111 11	1 111111 111
creene	1911 1 111 11	1 111111 111
Forest	1111 1 111 11	
Fayette	1111 1 111 11	1 111111 111
Erie	1111 1 181 11	1 111111 111
সম	1111 1 111 11	12 11 11 11 11 11 11
Drawford	11111 1 811 11	1 1 1 1 1 1 1 1 1 1 1
Clinton	1111 1 111 11	
Clearfield	1111 1 111 11	1 111111 111
Clarion	1101 1 111 11	1 1 1 1 1 1 1 1 1 1 1 1
Sentre		1 111111 111
Cameron	1111 1 111 11	1 1 1 1 1 1 1 1 1 1 1 1
Cambria	1111 1 111 11	1 1 1 1 1 1 1 1 1 1 1 1
Butler	H111 1 111 11	1 144111 141
Bedford	1111 1 111 11	1 111111 111
Beaver	1111 1 111 11	1 1 1 1 1 1 1 1 1 1 1 1
Amortamia	1161 1 111 11	1 1 1 1 1 1 1 1 1 1 1 1
Allegheny	1111 1 111 11	1 1 1 1 1 1 1 1 1 1 1
ООБАЛТ	Thrower, M. D. Union Drilling, Incorporated United Natural Ges Company United Natural Ges Company (Jefferson County Ges Company (Jefferson County Ges Company United States Army Enginering Corp., (Libephor, Reservoir Plugging) (Libephor, Reservoir Plugging) Waught Oil Company Vestional Technical School Vocational Technical School Vinopal, Howard P.	Marran Courty, School District (Rhiy, Pennsoll Company) The Weever, K. W. Weever, M. W. Weever, M. G. Gas Corporation Weever oll & Gas Corporation, et al Weever oll & Gas Corporation, and Weever oll & Gas Corporation, and Weever oll & Gas Corporation, and Weever oll & Gas Corporation, white Springs Parm

TABLE #6
SUMMARY BY COUNTIES AND CONFAUES OF PLUCCING NUMBERS ISSUED

		1 -	1
	TOTAL	176 176	1246
	Westmoreland	1111	27
	Washington	1141 1	16
	Warren	1111	787
	Venango	11111	77
	Potter	1111 1	৪
	Monroe	1111	
	Mercer	1111 1	1.71
	McKean	176	551
	Luzerne	1111	
	Lawrence	1111	~
	lefferson	1111	58
	snaibnī	1111	1
	Creene	111111	17
	Forest	1111	1
	Fayette	1111	20
	Erie	1111	1.5
	সম্ভ	1111	7
1	Crawford	1111	N
	Clinton	1111	4
	Clearfield	1111 1	or
	Clarion	1111	18
	Centre	1111	п
	Саметоп	1111	н
	siridmeO	1111	-
	Butler	4411 1	8
	Bedford	1111	2
	Beaver	1111 1	٦
	gnortemiA	1111 1	38
	VJJegyena	1111 1	15
	CONFEMILE	Wible, W. Paull and Agnes A. Misse, Libert, Leroy Wisse, Albert, Loroy Witce Chemical Corporation Kerail Refining Company Division Zippo Manifacturing Company	TOTAL

TABLE #7
SUBMARY BY COUNTIES AND COMPANIES OF WELLS REPORTED PLUGGED AND ABANDOMED

1																							
TOTAL	ч	Н	Н	CZ	cv	~	٦	Н	2	2	Н	2	-	-	121	-	Н	-	٦	0	7	C\	2
Westmoreland	- 1	1	1	ı	ī	ı	1	ı	Н	1	1	1	-	1	1	1	ı	1	ı	C	1	1	1
Mashington	- 1	- 1	1	1	ī	1	1	1	1	Н	1	1	-	1	1	1	1	1	1	í	1	1	1
Marren	н	н	1	ı	CV.	ı	1	ı	ı	1	1	2		1	1	_	М	1	1	1	1	1	1
Venango	- 1	- 1	1	1	ı	ı	ı	ı	1	ı	1	1			1	1	1	1	1	1	1	1	1
Potter	1	- 1	1	1	ī	ı	ı	ı	ī	1	1	ī	- 1	1	1	1	1	1	1	1	1	1	1
Monroe	- 1	- 1	,	ı	ı	1	ī	ı	1	1	1	1	-	1	1	1	1	1	1	1	1	1	Н
Mercer	1	- 1	1	ı	ı	ı	ı	ı	ı	1	1	1	- 1	1	1	1	ı	ı	1	1	1	1	1
McKean	1	- 1	1	1	ı	1	ı	Н	ı	ı	1	ī	- 1	1	1	1	ı	1	1	1	1	1	1
Inzerne	- 1	- 1	1	1	ı	1	ı	ı	1	ı	1	1	-	1	1	1	ı	1	1	1	1	1	Н
Lawrence	1	- 1	1	ı	ı	1	ı	ı	ı	1	1	1	- 1	1	1	1	ı	ı	ı	1	1	ı	ī
lefferson	1	- 1	1	1	ī	1	ī	ı	ı	ī	ı	1	1	ı	Н	1	ı	ı	1	1	1	ı	1
ansibnī	- 1	- 1	1	Н	ı	ı	ī	ı	ı	ı	1	1	1	1	CV.	1	1	Н	1	1	1	ı	1
Greene	- 1	- 1	ı	1	ı	~	Н	ı	1	Н	1	1	- 1	1	1	1	ı	1	1	1	C	1	1
Forest	- 1	- 1	М	1	ı	ı	ı	ī	1	1	1	ı	- 1	1	1	1	ı	1	ı	1	1	ı	1
Fayette	- 1	- 1	ı	1	ı	ı	ı	ı	Н	ı	1	1	- 1	1	1	ı	ı	1	ı	1	1	1	1
Erie	- 1	- 1	1	1	ı	ı	1	ı	1	ı	ı	1	-	-	1	1	1	ı	1	1	1	ρį	1
EJK	- 1	1	1	1	ı	ı	1	ī	1	1	ı	1	- 1	1	1	1	1	ı	1	1	1	1	1
Crawford	1	- 1	1	ı	ı	ı	ı	ī	1	ı	1	1	1	1	1	1	1	1	1	1	1	1	1
Clinton	- 1	- 1	1	ı	ı	ı	1	ı	ı	1	1	1	- 1	1	m	. 1	1	1	1	1	ı	ı	ı
Clearfield	- 1	- 1	ı	ı	ı	ı	ı	ı	ı	ī	ı	1	- 1	ı	r!	1	1	ı	ı	ı	ı	ı	1
Clarion	- 1	- 1	1	ī	ı	ı	ı	ı	ı	ī	ı	1	- 1	1	1	ı	1	1	ı	1	ı	ı	ı
Centre	- 1	1	1	ī	ı	1	ī	ı	ı	1	1	1	- 1	,	1	1	1	1	ı	1	ı	ı	ī
SirdmeD	- 1	- 1	1	ī	ı	ı	ı	ı	ı	1	ı	ı	- 1	1	1	ı	ı	1	ı	1	ı	1	ı
Butler		- 1	1	ī	ı	ı	ı	ı	ı	ı	Н	1	- 1	ı	1	1	ı	1	ı	1	1	1	1
Hlair	- 1	- 1	1	ī	ı	ı	ı	ī	ı	ı	ı	ı	- 1	1	1	1	1	1	ı	1	1	1	1
Bedford	- 1	- 1	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	1	1	4	ı	1	1	ı	1	ı	1	ı
Beaver	- 1	- 1	ı	ı	ı	ı	ı	1	ı	ı	ı	1	- 1	1	1	1	ı	ı	Н	ı	1	1	ı
gnortemnA	- 1	- 1	ı	Н	ı	ı	ı	ı	1	ı	1	1	-1	1	Н	1	ı	ı	1	1	Н	1	ı
VIllegheny	- 1	- 1	1	1	ı	ī	ı	ı	ı	ı	ı	1	Н	1	ı	1	1	ı	1	ı	Н	ı	1
COMPANY	Angle and Young	Baker, Sheldon E.	Bittinger Drilling Company	Boyd and Shriver		Brumage, E. J.	Z,	011 01	Burgly, Jr., G. A.	Burns, Incorporated, Ross	Butler and Craig	Cady, Myrle H. (Fmly, Myrle, L. Cady	Carnegie Matural Gas Company	Chemco, Incorporated	Consolidated Gas Supply Corporation	Curtis and Son, Howard	Curtis and Loop	Delta Drilling Company	Duquesne Light Company	Eberly, etal, Orville	ble Gas	ty of Reder	Farmers Gas & Oil, Incorporated

# TABLE #7 SUMMARY BY COUNTIES AND COMPANIES OF WELLS REPORTED PLICEED AND ABADDONED

TOTAL	4044 404044444444444444444444444444444
Westmoreland	TITE THE BUILDING TO STREET
Mashington	1111 111111111111141111
Marren	1111 1011111111111111111111
Venango	1111 4111111111111111111111111111111111
Potter	
Monroe	
Mercer	
McKean	1111 1111111111111111111111
puzeznq	
Lawrence	1111 11111111111111111111
nosrallel	1111 11111111111
ansibnī	1111 1111111111
Greene	
Forest	1111 11481111111111111111
Fayette	1111 1111111111111111111111111111111111
Erte	1144 1111111111111111111
সমে	TILL TILLHITTETTETTETTETT
DrolwarD	
Clinton	
Clearfield	1111 11111111111111111
Clarton	1111 1111111111111111111111111111111111
Centre	TILL TILLITIES THAT IS
Gambria	1,1,, 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1
Butler	1111 111111111111111111111111
Tlaff	TILL TILLIALITITITITI
Bedford	ATT: 11111111111111111111
Beaver	
gnortemnA	
Anedgella	1811 1111111111111
COMPANY	Felmont Oll Corporation Felmont Oll Corporation Flatigan Prothers and Famigan Prothers and Famigan Prothers and Famigan Prothers and Familian Gity of Redevelopment Authority Frederick, Don C. Frederick, Don Company Kin-Fast Oil Company

Table  $\eta\gamma$  simpley by couplies and companies of weils perfected flucted and abandoned

TOTAL	1 14 1 1 1 2 2 2 3 3 3 2 1 1 2 3 3 3 3 3 3 3
Westmoreland	1111 1 11511811111111111
Washington	1101 1 11111101111111111111111111111111
Warren	11201   2011 11 14 11 11
Venango	1101   111111111111111
Potter	
Monroe	
Mercer	1111 1 112/1111111111111111111111111111
McKean	1111 1 4411111110111111 1
Puzerne	
Lawrence	
lefferson	1111 1 11111011111111111
snaibnl	1141   1141 411111141411
Greene	1111 1 11411111111111111
Forest	TILL I TILLATIONISTI I
Fayette	THE EDITION OF THE
Erie	1111 1 81111111111111111 1
সম	TILL I TILLITIALITIEL I
Crawford	
notniiO	
Clearfield	Tidl College College
Clarton	4141   11411811111111111
Centre	
Cambria	TILL CHARLETTICH CONTRACT
Butler	IIIA A IAAIIQIIIIIIII I
Tisla	
Bedford	
Beaver	
Armatrong	1111 1 1101104111014111 1
Allegheny	1411   1164111116111141
CORPANY	Owens-Illinois, Incorporated Corol Land, Incorporated Pernsylvania Pepartenent of Highways Pennsylvania Pepartenent of Highways (Rhy, 4, E, Oyher) (Rhy, 7, E, Oyher) (Rhy, 1, E, Oyher) (Rhy, 1, E, Oyher) (Rhy, 1, E, Oyher) Pennsylvania des Company Pennsylvania des Company Pennsylvania des Company Pennsylvania des Company Pennsylvania des Company, The Pennyylvania des Company, The Pennyylvania des Onlompany, The Pennyylvania des Louis Company, The Penny Candon Company, The Penson Oll Company, The Rinard's Pulling, Company Rinard's Pulling, Company Shaper, John S., Prustee Shape Oll Edward Bengary Shaper, Millam E, & Senty, Ortille and The Peoples Maural des Company Styder Oll & Ges Company

TABLE #7
SUMMARY BY COUNTIES AND COMPANIES OF WELLS REPORTED PUUGED AND ABANDONED

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ANUARY -

TOTAL	44 <b>2</b> 5% 4	~ ~	m ~	П9	r 4r	чеч	н
Westmoreland	1111	1 1	1 1	1.1	1.1.1	1 1 1	1
Mashington	110011	1 1	1 1	1.1	H I I	1 1 1	1
Marren	апп	1 1	1 1	19	1 1 1	1.1.1	1
Venango	11141	1 1		н г	1-1-1	1.1.1	1
Potter	11101	1 1	1 1	1.1	1 1 1	1.1.1	1
Monroe	11111	1 1	1 1	1.1	1 1 1	1 1 1	1
Mercer	11111	1 = 1	1 1	1.1	1.1.1	1 1 1	1
McKean	11101	N I	1 1	1.1	1.1.1	чωι	1
Puzerne	11111	1 1	1 1	1.1	1 1 1	1 1 1	1
Lawrence	11111	1 1	1 0	1.1	1.1.1	1 1 1	1
lefferson	11104	1 1	1 1	1.1	1 1 1	1 1 1	н
snsibnī	11111	1 1	1 1	1.1	1 1 1	1 1 1	1
Greene	11811	1 1	1 1	1.1	1 1 1	1 1 1	1
Forest	11111	T = T	1 1	1.1	1 1 1	1 1 1	1
Fayette	1111	1 1	1 1	1.1	1 1 1	1.1.1	1
Erie	11111	1 1	1 1	1.1	1 1 1	1.1.1	1
সম	14111	1 1	1 1	1.1	1.1.1	1 1 1	1
Crawford	1111	1 ~	1 1	1.1	1 1 1	1 1 1	1
Clinton	1111	1 1	1 1	1.1	1 1 1	1 1 1	1
Clearfield	11111	1 1	1 1	1 1	1 1 1	1 1 1	1
Clarion	11101	1 1	1 1	1.1	1 1 1	1 1 1	1
Gentre	11111	1 1	1 1	1.1	1 1 1	1 1 1	1
Cambria	1111	1 1	1 1	1.1	1 1 1	1 1 1	1
Butler	11111	1 1	1 1	1.1	144	1.1.1	1
TialH	1.1.1.1.1	1 1	1 1	1.1	1 1 1	1 1 1	1
Bedford	1.1.1.1.1	1 1	1 1	1.1	1 1 1	1 1 1	1
Beaver	1.1.1.1.1	1 1	1 1	1.1	1.1.1	1 1 1	1
gnortemia	11101	1 1	1 1	1 1	1 1 1	1 1 1	1
WTTe&penA	1.1.1.1.1	T = T	1 1	1.1	1 1 1	1.1.1	1
СОКРАТУ	Sugar Grove Oil Company Sylvania Corporation, The Union Drilling, Incorporated United Matural Gas Company Lited Matural Gas Company Lited Matural Gas Company	Army Reserve	Veral Livision Venango County Area Vocational Technical School Vessalla, H. M.	Warren County School District	Waverly Cl. Works Company, The Weaver, K. W. Weaver, Konneth W.	MI & Ga	United States Natural Ges Corp. White Springs Farm (Alfred G. Lewis, Jr., Agent)

TABLE #7

SUMMARY BY COUNTIES AND COMPANIES OF WELLS REPORTED FLUGGED AND ABANDONED

1968
DECEMBER,
- 1
JANUARY

	1	1	
	TOTAL	1 1 1 7 7 7 7 1 7 1 1 1 1 1 1 1 1 1 1 1	485
p	nsferomiceW	111	24
	Mashington	1.1.1	19
	Marren	1.1.1	35
	Venango	1.1.1	7
	Potter	1.1.1	6
	Monroe	1.1.1	1 123 45 1
	Mercer	111	45
	McKean	1 1 5 7	23
	Puzerne	1.1.1	7
	Lawrence	1.1.1	$\sim$
	noerellet	1.1.1	20
ļ	anaibnī	1.1.1	77
١	Greene	1.1.1	22
	Forest	1.1.1	9
	Fayette	1.1.1	2
-	Erte	1.1.1	7
	সম্ভ	1.1.1	2
ı	Crewford	1.1.1	~
	uojufij	1.1.1	2
	bleiliseld	1.1.1	2
	Clarton	1.1.1	17
	Centre	1.1.1	-
	Cambria	1.1.1	-
	Butler	441	17
	TialH	111	"
	Bedford		2
	Beaver	111	-
	gnortemr/	111	62
	Tregheny	1 1 1	17
	COMPANY	Wible, W. Paull and Agnes A. Widenhofer, Jeroy Witco Chemical Ourportion Kerdall Refining Company Division	TOTAL

TABLE # 8

# SUMMARY BY COUNTIES AND COMPANIES OF PILLAR PERMITS ISSUED JANUARY - DECEMBER, 1968

TOTAL	Allegheny	Armstrong	Butler	Clearfield	Greene	Indiana	Jefferson	Washington	Westmoreland	TOTAL
Allegheny River Mining Company	_	2	_	_		-	_	-	_	2
Bethlehem Mines Corporation	_	_	_	_	5	_	_	5	_	10
Canterbury Coal Company	_	1	-	_		_	-		_	1
Dorchem Pennsylvania, Inc.	_	-	2	_	-	-		_		2
Freedom Mining Company, Inc.	_	_	~	_	-	ī		_	_	2 1 3 4
Gateway Coal Company		_		_	3	-		_		2
Glen Irvan Corporation			_	4	-	_	_	_	-	7
Gugliotta, Herman	_		-	4	1	-	-	-	-	4
(Paw - Paw Fuel Inc.)	-	-	-	-	1	-	-	-	-	1
Harmar Coal Company	4	-	-	-	-	-	-	-	-	4
Jones & Laughlin Steel Corporation	-	-	-	-	2	-	-	4	-	6 1 2 1 5 1 23 48 32
Leasure Coal Company	-	-	-	-	-	1	-	_	-	1
Leechburg Mining Company	-	2	-	-	-	-	-	-	-	2
Markle - Bullers Coal Company	-	-	-	-	-	-	1	-	-	i
Mathies Coal Company	-	-	-	-	-	-	_	5	-	5
North American Coal Corp., The	-	-	-	-	-	1	-		-	í
Pittsburgh Coal Company	14	-	-	_	-	-	_	9	_	23
Republic Steel Corporation	24	_	17	_	5		_	<u> </u>	2	1.8
Rochester & Pittsburgh Coal Company	8	23	-1	_		1	_	_	~	32
Union Carbide Corporation	_	2.7	5		-	_	_		_	52
United States Steel Corporation	_	_			17	_	_	6	_	5 23
					-1					~
TOTAL	50	28	24	4	33	4	1	29	2	175



# **DIRECTORY**



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MINES AND MINERAL INDUSTRIES

		EXECUTIVE OFFI	CE	Zip Code	Area	Phone No.
Dr. H. Beecher Charmbun Secretary	ry	Towns House Apt. 660 Boas Street	Harrisburg	17102	717	787-4686 787-4687
	Home:	222 East Irvin Avenue	State College	16801	814	787-4688 237-4726
Mrs. M. B. Gutshall Ex. Deputy Secretary		Towne House Apt.	Harrisburg	17102	717	787-4686 787-4687
	Home :	2958 Lincoln Street	Camp Hill	17011	717	787-4688 737-9895
Leon Ehrlich Deputy Atty Gen'l Of		Towne House Apt. 146 N. Sixth Street 1114 Reading Blvd.	Harrisburg Reading Wyomissing	17102 19601 19610	717 215 215	787-5054 376-1525 372-1414
Robert Lesko Deputy Atty Gen'l	Home :	Towne House Apt. 18 Pheasant Court,	Harrisburg	17102	717	787-1015
populy noty con a		Wesley Park Apt.	Mechanicsburg	17055	717	766-0518
J. Wes Blakely Infor. Specialist	Home:	Towne House Apt. 580 Rupley Road	Harrisburg Camp Hill	17102 17011	717 717	787-4617 232 <b>-</b> 0330
Jos. Unitis, Director Administrative Serv.	Home:	Towne House Apt. 1517 Kay Street	Harrisburg Harrisburg	17102 17109	717 717	787-5485 545-1923
David B. Black Personnel Supervisor		Towne House Apt.	Harrisburg	17102	717	787-3197
Nick Laukaitis Procurement Officer		Towns House Apt.	Harrisburg	17102	717	787-2471
Edward Durkin, Comptrol	ller	Towne House Apt.	Harrisburg	17102	717	787-5953
Catherine Miles Statistical Supervisor		Towne House Apt.	Harrisburg	17102	717	787-4876
Melvin R. Littles, Chie Office Serv. & Automoti		Towne House Apt.	Harrisburg	17102	717	787-7138 787-7613
		BUREAU OF RESEARCH AND	DEVELOPMENT			
Dr. David R. Maneval Director	Home:	Towne House Apt. 1867 North Oak Lane	Harrisburg State College	17102 16801	717 814	787-5104 238-0977
		APPALACHIA PROG	RAM			
Carl Peterson Director	Home:	Towne House Apt. 153 West Maple Avenue	Harrisburg Hershey	17102 17033	717 717	787-4345 533-9037
		COAL MINE SUBSIDENCE INS	URANCE FUND			
Anthony P. Mazza Director	Home :	Towne House Apt. 3131 Penbrook Avenue	Harrisburg Harrisburg	17102 17109	717 717	787-5565 545-3294
		BUREAU OF COAL LAND IM	PROVEMENT			
Robert C. Thompson Director	Home:	Towne House Apt. 123 State Street	Harrisburg Harrisburg	17102 17101	717 717	787-4321 238-3491
	BUREA	U OF LAND & WATER CONSERVA	TION & RECLAMATION			
Wilmer W. Waterhouse Director	Home :	Towne House Apt. 4200 Ridge Dr., Colonial P	Harrisburg k.Harrisburg	17102 17109	717 717	787-7820 545-5346
Connie J. Goetz Ass't Director	Home:	Towne House Apt. 514 Eutaw Avenue	Harrisburg New Cumberland	17102 17070	717 717	787-7816 774-2622
		OIL AND GAS CONSERVATION	COMMISSION			
R. J. Hartman, Secretar	ry'	1708 Benedum Trees Bldg.	Pittsburgh	15222	412	565-5392

# OIL AND GAS DIVISION

	Cunningham Secretary H	1205 State Office Bldg.	Pittsburgh Johnstown	15222 15905	412 814	565-5075 299-2812
		Oil and Gas Inspe	ctors			
2 3 4 5 6 7	Chas. C. Songer Howard W. Martin Chas. E. Baldwin Wm. J. Burns, Jr. Chas. F. Straub Richard F. Walther Leon W. Goble Wm. E. Sleeman	P. O. Box 277 321 N. Eighth Street P. O. Box 26 335 N. Barnett Street 408 N. Main St., Box 141 630 Southwiew Drive P. O. Box 469 21 Van-Ettan Avenue	Pittsfield Indiana Washington Brookville Coudersport Pittsburgh Grove City Sheffield	16340 15701 15301 15825 16915 15226 16127 16347	814 412 412 814 814 412 412 814	563-7853 463-0590 222-3295 849-2445 274-8840 543-3656 458-6661 968-3753
		Petroleum Engine	ers			
	ce E. Ziegler s. H. Updegraff	R. D. 1 Port Allegany Road	Tidioute Coudersport	16351 16915	814 814	484-3483 274 <b>-</b> 9196

# ANTHRACITE DIVISION

Gordon E. Smith Deputy Secretary	Motor Contracts Corp.Bldg. Rm. 2A - 108 S. Claude A.	Pottsville	17901	717	622-1110
• •	Lord Boulevard : 161 Avenue "C"	Schuylkill Haven	17972	717	385-0023
G. R. Sterling, Chief Insp. Underground Mines Home:	Motor Contracts Corp.Bldg. Community Square	Pottsville Buck Run	17901 17926	717 717	622 <b>-</b> 1110 5Щ <b>-</b> 5262
Rodger J. Howell, Director Bureau of Engineering	90 East Union Street	Wilkes-Barre	18701	717	825-7511 Ext. 333
	417 West Atherton Avenue	Taylor	18517	717	562-1660
Roy Unger, Office Manager Pottsville	Motor Contracts Corp.Bldg.	Pottsville	17901	717	622-1110
John Harris, Office Manager Wilkes-Barre	90 East Union Street	Wilkes-Barre	18701	717	825-7511 Ext. 333
į	INTHRACITE CONSERVATION AND	RECLAMATION			
Wesley I. Stonebraker Director Home:	Motor Contracts Corp.Bldg. 3117 Yale Avenue	Pottsville Camp Hill	17901 17011		622-1110 761-1751
	COAL MINE SUBSIDENCE INSUR	ANCE FUND			
Harold Alleman, Manager	90 East Union Street	Wilkes-Barre	18701	717	825-7511 Ext. 336
	ANTHRACITE MINE INSPE	CTORS			
Dis- trict  1	9 West Phillips Street 928 North Washington St.	Wyoming Coaldale Shamokin Pottsville Dalton Elysburg Mahanoy City Hegins Shamokin Mt. Carmel Shamokin Nesquehoning Tremont Pottsville Muir	186hh 18218 17872 17901 18h1h 1782h 17938 17872 182h0 17872 182h0		693-0222 645-5727 618-0262 622-1107 563-1915 672-2190 773-3691 682-3281 618-3897 339-1152 618-3792 618-3331 695-3672 5114-2573 617-9239
	Inspectors In Charge Of	Projects			
W. R. Devens G. F. Kettle	38 Butler Street 1318 Wyoming Avenue	Forty Fort Forty Fort	18704 18704	717 717	
	ANTHRACITE ELECTRICAL IN	SPECTORS			
Michael J. Polinko Donald Sandherr William Buggy	1211 Chestnut Street 402 Fleet Street 246 West Spruce Street	Kulpmont Pottsville Shamokin	17834 17901 17872	717 717 717	373-9449 622-4955 648-0356
A	NTHRACITE WASTE DISPOSAL IN	VESTI GATORS			
John H. Bowman John J. Lavix Albert Lipperini Benjamin Boltz		Berwick Hudson Pittston Pottsville	18603 18705 18640 17901	717 717 717 717	654-6163
	ANTHRACITE MINE RESCUE &	FIRST AID			
Charles W. Jones Stephen Matsick	231 West Main Street 617 East Patterson Street	Girardville Lansford	17935 18232		276-6353 645-4256

### COMMONWEALTH OF PENNSYLVANIA

# DEPARTMENT OF MINES AND MINERAL INDUSTRIES

### ANTHRACITE OPERATORS -- YEAR 1968

Dis- trict	Operator	General Manager	Address		Zip Code
12	A. & D. Coal Co. DM	A. Androkitis	310 Elizabeth St.	Tamaqua	18252
8	A. D. G. Coal Co. DM	Joseph Alemeda	P. O. Box 293	Mt. Carmel	17851
16	A. & P. Coal Co. DM	Joseph Reho	130 W. Broad St.	Williamstown	17098
5	Ace Anthracite, Inc. bk CP	John Santioni		Taylor	18517
5	Ace Coal Co. B	L. Simoncelli	300 Main St.	Peckville	18452
ii	Ace Coal Sales BP	Walter Mudry	1349 Chestnut St.	Kulpmont	17834
16	Acme Coal Co. DM	Michael Suchar		Williamstown	17098
10	Alarcon Coal Co. DM	Frank Alarcon	402 Melrose St.	Keiser	17832
7	Alessi Coal Co. DM	Natale Alessi	722 E. Railroad St.	Mahanov City	17948
9	Al-Mar Coal Co. DM	Albert Deitz		Mt. Carmel	17851
Ś	American Silt Processing Co., Inc.W			Archbald	18403
7	Archer Coal Co. bk B	G. M. Seiler		Hazleton	18201
9	Ashland Community Enterprises DM		702 Centre St.	Ashland	17921
LÓ	B. & B. Coal Co. DM	Frank Barella	540 West Third St.		17851
9	B. & B. Coal Co. DM	N. Anascavage		Shamokin	17872
9	B. & B. Coal Co. DM	Amil Bielarski	37 Big Mine Run	Ashland	17921
14	B. & C. Coal Co. DM	Willard Clark	R. D. 1	Hegins	17938
7	B-D Mining Co. W bk	G. C. Hower	n. D. 1	Gilberton	17934
ıi	B. & E. Coal Co. DM	David Ernest	643 Center St.	Shamokin	17872
15	B. & H. Coal Co. DM	Eugene Hawk		Pine Grove	17963
16	B. & M. Coal Co. DM		R. D. 3	Valley View	
12		Wayne Moyer	1028 T 7 Ct		17983 18452
16	B. & N. Coal Co. BP	Daniel Koury	1038 Laurel St.	Pottsville	17098
	B. & P. Coal Co. DM	John Perhach	W. Market St.	Williamstown	
9	B. & S. Coal Co. DM	B. Blascovich		Shamokin	17872
11	Bank Coal Co., Inc. DM	Edward Norcavage	P. O. Box 164	Mt. Carmel	17851
11	Bar-Mac Coal Co., Inc. BP	David Wenrich	R.D. 1, Box 335-A		17860
6	Bartoli Construction Co. bk	Eugene Bartoli	559 E. Northampton		18702
4	Bell Coal Co. S	A. Kovalchick	P. 0. Box 251	Brockton	17925
10	Bell Coal Co. DM	G. Feaster, Jr.	551 Market Street .		17881
4-12	Bernitsky Brothers Coal Co. S DM	Albert Bernitsky		New Phila.	17959
12	Bernitsky & Stenulis Part. DM	G. Stenulis	17 Water Street	New Phila.	17959
13	Big Hill Coal Co. DM	Joseph Zukowski		Minersville	17954
7	Blaschak Coal Co., Inc. B DM	Edward Razzis	St. Nicholas	Mahanoy City	17948
1	Bliss Coal Co. CP S	Carl Bliss		Mildred	18632
4-13-15	BlueBell Enterprises, Inc. S B	J. W. Butcavage		Minersville	17954
1-5-6	Blue Coal Corporation S bk B DM	Darius H. Thomas	101 S. Main St.	Ashley	18706
13	Bosack Coal Co. DM	Frank Bosack, Jr.	R.D. 2, Box 788	Pottsville	17901
8	Botello Coal Co., James DM	J. J. Botello		Girardville	17935
4-8-9	Bridy, Inc. S bk DM	Edward A. Bridy		Atlas	17811
2-7	Brook Contracting Corp. S bk	C. E. Wezner	127 W. Noble St.	Hazleton	18201
12	Bubel Mining Co., Inc. DM	Michael Bubel	P. O. Box 129	Brockton	17925
3-15	Buck Coal Co. S DM	Frederick Lucas	309 W. Main St.	Tremont	17981
7	Buckley Coal Corp. BP	Norman James	Main Street	Ringtown	17967
8	Burnrite Coal Co. DM	Joseph Zukus	557 W. Girard St.	Atlas	17811
11-15	Bush Coal Co. DM	Earl Bush	1404 E. Grand Ave.	Tower City	17980
5	C.B.M. Coal Co. bk	Eugene Bartoli	559 E. Northampton	Wilkes-Barre	18702
L3	C.L.M. Partnership bk	J. Lazarcheck	R. D. 1, Box 72	Pottsville	17901
4-13	C.L.S. Coal Co. S bk B	D. Roderick	Box 396	Branch Dale	18201
8-9	C. & P. Coal Co. DM	Robert Pittello	201 S. Vine St.	Mt. Carmel	17851
1	C. & S. Excavating Co. S	Peter Corazzi	101 E. Drinker St.		18512
7	Capparell Coal Co., Inc. B	Martin Capparell	136 E. 5th Street		18201
3-7	Capparell Strip & Const. Co. bk S	Martin Capparell		Hazleton	18201
í	Carbondale Coal Co. S CP	J. J. Gillen	78 Cottage Street		18407
.2	Cass Contracting Co. BP	F. J. Ryan		Pottsville	17901
1	Chestnut Coal Co. DM	Stephen Shingara	R. D. 3	Sunbury	17801
.5	Chyke Coal Co. DM	Charles Chyke		Tremont	17981
6	Ciarofoni Coal Co., Inc. DM	Albert Ciarafoni	580 Market Street		18703
LS	Clark Coal Co. DM		Joo rarket Street		17918
10		Clark Maurer, Jr.	600 Boom Vallers Are	Hegins	178,2
5	Clay Coal Co. DM Coalbrook Iron & Metals bk	Ellsworth Libby	690 Bear Valley Av.	Carbondale	18407
5	Coalbrook Sales Co., Inc. S	John C. Bauman John C. Bauman		Carbondale	18407

Dis-					Zip
trict	Operator	General Manager	Addres	Gilberton	Code
14	Coleby Coal Co., Inc. B bk Colket Coal Co. DM	G. C. Hower John Messaros	School Row	Branch Dale	17934 17923
4	Connors, Paul J. S	Paul J. Connors	P. O. Box 173	Pottsville	17901
3	Conyngham Contracting Co. S	Wm. J. Farley	P. O. Box 173	Ashland	17921
12	Correale Construction Co. bk	G. M. Seiler	109 E. First St.	Hazleton	18201
13	Coxe Coal Co. DM	Norman Essler	804 W. Market St.	Pottsville	17901
4	D. & F. Coal Co. S	F. G. Roehrig	204 North Street	Minersville	17954
12	D. H. M. & C. Coal Co. DM	Harry David	R. D. 1	Schuylkill Ha	
11	D. H. & W. Coal Co. DM	Victor Delorso	P. O. Box 70-A	Paxinos	17860
11 16	D. & M. Coal Co. DM	John McAnnaney Robert Rhen	P. O. Box 112	Gowen City	17828
8	D. & R. Coal Co. DM D. R. Z. Coal Co. DM	Dominick Ferandez	R. D. 3 112 Melrose St.	Pine Grove Keiser	17938 17832
10	D. & S. Coal Co. DM	Daniel Fedako	1915 Race Street	Ashland	17921
3-11	D. & Z. Coal Co. BP S	Stanley Diminick	P. O. Box 307	Shamokin	17872
13	Dando Coal Co., F. P. DM	F. P. Dando	R.D. 3, Box 583	Pottsville	17901
4	Dando & Troup Coal Co. S	David J. Dando	117 S. Second St.	Minersville	17954
12	David Coal Co. DM	Harry David	R. D. 1	Schuylkill Ha	
5	DeAngelis, Inc. BP	John C. Baumann	South Church St.		18407
13	Dembinsky Coal Co. DM	Nicholas Dembinsky			
7 11	DiCasimirro Contracting Co. bk Diminick Coal Sales BP	Felix DiCasimirro Edward J. Muolo	92 Main Street P. 0. Box 132	Morea Collier Paxinos	17860
13	DiRenzo Coal Co. BP	Dominick DiRenzo	R.D. 2, Box 752	Pottsville	17901
ii	Dugan Coal Co. DM	Jos. Leschinski	456 S. Pearl St.	Shamokin	17872
10	Duke Associates DM	Joseph Duke	1023 W. Willow St.		17872
10	Duke Mining Co. DM	Joseph Duke	1023 W. Willow St.		17872
5 8	Duryea Coal Sales Co., Inc. BP	Arthur Tambur	P. O. Box 36	Duryea	18643
8	Dyszel Coal Co. DM	Steve Dyszel	104 N. 3rd St. P. O. Box 206	Girardville	17935
1	E. & B. Coal Sales S CP	Edwin Booth	P. O. Box 206	Mildred	18632
1 9	Empire Contracting Co. S Empis Coal Co. DM	Michael R. Naples	Orchard Street	Old Forge	18518
15	Ennis Coal Co. DM Erdman Coal Co. DM	William Ennis Jay Erdman	7 W. Centré St.	Ashland Valley View	17921 17983
10	F. & M. Coal Co. bk	Daniel Moroz	6 N. 7th Street	Shamokin	17872
7	Farace Coal Co., Inc., J.J. bk	Joseph Farace, Jr.	151 Wilson Drive	Hazleton	18201
12	Farley Coal Co. DM	J. Norbert Farley	R. D. 1	Pottsville	17901
14	Faust Coal Co. DM Film Coal Co., Inc. BP bk	Charles Faust	R. D. 3	Pine Grove	17963
12	Film Coal Co., Inc. BP bk	G. M. Seiler	109 East 1st St.	Hazleton	17953
15-15	Fireside Mining Co., Inc. DM	James Schoffstall	281 S. Main St.	Pine Grove	17963
3	Folger & Chapleski S Forgotch Brothers Coal Co. DM	Leonard Chapleski	P. O. Box 5 522 W. Mahanoy Ave	Ranshaw	17866
7	Forsum Coal Co., Inc. DM	Vincent Forgotch Joseph Sluck	P. O. Box 395	Gilberton	17948 17934
10	Four Partners Coal Co. DM	John Vrona	814 E. Sunbury St.		17872
14	Franklin Coal Co. BP	Franklin Miller		Ravine	17966
16	Fronk Coal Co., George B	George Fronk		Valley View	17983
8	G. & B. Coal Co. DM	Thomas Gaughan	58 Oakland Ave.	Ashland	17921
16 5	G. & K. Coal Co. DM	Joseph Garber	243 E. Broad St.		17098
9	G.M.C. Energy Fuels CP G.M.P. Coal Co. DM bk	Anthony Giarrotano Albert Geslock	501 East 7th St.	Pittston Mt. Carmel	18640 17851
8-9-16	Gangloff Borthers bk	Gene B. Gangloff	R. D. 1	New Ringgold	
12	Garber, Paul DM	Paul Garber	R. D. 1	Barnesville	18214
11	Gem Coal Co. DM	Clifford Artman	R.D. 1, Box 71-A	Shamokin	17872
7	Generose Coal Co., J. bk	James Generose, Jr.	306 Main Street	Lattimer	18234
15	Gerber Coal Co. DM	Richard Gerber	R. D. 2	Valley View	17983
12	Ginther Coal Co. W bk	David Bresseler	P. O. Box 219	Hazleton	18201
5 3	Giovannini, Joseph bk Glenn Brass Coal Co. S	Joseph Giovannini	223 Sanovia St.	Exeter	17643
10	Glenn Brass Coal Co. S Glen Burn Colliery, Inc. BP bk	Glenn Brass Edward Holfrick	129 West Avenue P. O. Box F	Mt. Carmel Shamokin	17851 17872
1-6	Glen-Nan Coal Co., Inc. S DM	G. H. Kienzle	St. Mary's Road	Wilkes-Barre	
13	Glenn Worth Coal Co. BP	Carl H. Hoke	2204 W. Market St.		17901
3-11	Glosek Bros. Coal Sales, Inc. S BP		1310 W. Holly St.	Shamokin	17872
6	Glyon Coal, Inc. DM	Albert Ciarafoni	580 Market Street	Kingston	18703
15	Good Spring Coal Co. DM	Catherine Lucas	309 W. Main Street	Tremont	17981
12	Gorenty Coal Co. DM	Earl Gorenty	Walnut Street	Middleport	17953
2 <del>-</del> 7	Gowen Coal Co. S B EP Grego & Deitz Coal Co. DM	Elmer Roth	936 M Common Ct	Fern Glenn	18241
12	Greenwood Mining Co. B	Stanley Grego Joseph Fauzio	836 W. Spruce St. P. O. Box 269	Tamaqua	17872 18252
2	Greenwood Stripping Corp. S	Joseph Fauzio	1 . U. DON COT	Nesquehoning	
12	Grove Coal Co. bk	Frank J. Ryan	200 Mahantango St.		17901
11	Gudelunas Coal Co. DM	Frank Gudelunas	27 So. Spruce St.	Mt. Carmel	17851
4	H. & H., Inc. S	Howard Hoffman	2136 West End Ave.	Pottsville	17901
11	H. J. & H. Coal Co., Inc. BP DM	Harry D. Reitz	R. D. 1	Milton	17847

Dis-	0	0	1.33		Zip
trict 10-14	Operator H. & S. Coal Co. DM	General Manager Dale Herb	Addre	Donaldson	17981
13	Haas Coal Co. DM	Lester Haas		Pitman	17964
8	Hanks Coal Co. DM	Henry Szymanski	544 W. Third St		17851
7-8	Hard Top Coal Co., Inc. DM bk	Joseph Sluck	P. O. Box 395	Gilberton	17934
16	Harman Coal Co. DM	Clair Harman	1. 0. 20% 3/3	Valley View	17983
15	Harner Coal Co. DM	Roy E. Harner		Spring Glen	17978
15	Harner Coal Co. IM	Junior Harner		Spring Glen	17978
16	Harner Coal Co., Inc. DM	Alfred Harner		Valley View	17983
14-16	Hatter Coal Co. DM	Jacque Hatter		Hegins	17938
5	Heapps, William bk	William Heapps	R. D. 1	Clarks Summit	18640
13	Hegins Mining Co. DM	Wm. E. Carl, Jr.		Zerbe	17981
15	Herb & Reed Coal Co. DM	Harry L. Reed	1 N. Hand St.	Tower City	17980
14	Herring Brothers Coal Co. DM	Lester L. Herring	R. D. 2	Pine Grove	17963
15	Hi-Test Coal Co. DM	Kenneth Curran	Goodspring 3	Tremont	17980
2-7	Honeybrook Mines, Inc. S B	G. M. Seiler George Hoover	109 E. 1st St. 118 N. Sixth St.		18201 17801
16	Hoover Mining Co., Inc. BP Hornberger Coal Co. BP	Charles Hornberger			17921
3	Howells & Olaf Stripping Co, S	Stanley Olaf	1475 Scott St.		17834
2-7	Huss, George W bk S	George Huss	W. Main Street		17967
13-14-15	Industrial Coal Sales Co. BP bk	Robert Doebler	** 12211 501 000	Donaldson	17981
15-16	J. & C. Coal Co., Inc. DM	Jos. Walacavage	R.D.1, Box 548		17901
12	J. & E. Coal Co. BP	Edward P. Patrick	R. D. 3	Tamaqua	18252
2-7	Jeddo-Highland Coal Co. B bk S	Frank Moran	800 Exeter Ave.	W. Pittston	18643
3	Jet Coal Co. S	John Menapace	P. O. Box 443	Mt. Carmel	17851
8	K. & C. Coal Co.DM	Charles Cress	18 E. Mahanoy		17935
11	K. & D. Coal Co. BP	Alvin Kopenhaver	Box 316-A,R.D.2		17872
3-8	K. & J. Coal Co. S bk	Leon Jurgill	709 N. Paxton		17927
4	K. & K. Coal Co. S K. & K. Coal Co. DM	Bernard Kuperavage	133 Valley Furn		17965
10	K. & K. Coal Co. DM K. K. & E. Coal Co. DM	John Kastroba Robert Kabonick	R.D. 2 Coal Run 821 W. Mulberry		17872 17872
8	K. & M. Coal Co. bk	Joseph Moroz		Mt. Carmel	17851
13	K. & M. Coal Co. DM	Con Kulpcavage	R.D. 2, Box 567		17901
12	K. M. & F. Coal Service BP	Howard Fees	Washington St.		17953
13	K. & P. Coal Co. BP	Edward Padinske		Minersville	17954
13	K. S. & F. Coal Co. DM	Melvin Kroh	R. D. 2	Hegins	17938
7	Kassa Coal Co. DM	Nicholas Kassa	322 Simpson St.		18641
15	Keffers Coal Co. DM	Robert Barder		Valley View	17983
13	Keim Coal Co. bk	Ralph Keim	R. D. 1	Tower City	17980
9	Kerrigan Coal Co., Paul W bk	Paul Kerrigan	R.D.1, Box 435		17921 17851
16	Kerris & Helfrick, Inc. S Kintzel Brothers Coal Co. DM	Edward Helfrick Nathan Kintzel	Lehigh & Poplar R. D. 2	Pine Grove	17938
12	Klimas Coal Co. DM	Albert Klimas	31 Clay Street		17959
13	Klinger Coal Co. DM	Earl Klinger	R. D. 2	Hegins	17938
15	Knorr Coal Co. DM	Leroy Knorr, Sr.		Hegins	17938
13	Koch Coal Co. DM	Floyd Koch	R. D. 2	Schuylkill Haven	17972
	Kocher Coal Co., Inc. BP S DM	Leon E. Kocher		Valley View	17983
16	Koppenhaver Coal Co. DM		203 Laurel St.	Tremont	17981
4	Koury Coal Co. S	Daniel M. Koury	1038 Laurel St.		17901
4	Krell, Philip S	Philip Krell	R. D. 3	Tamaqua	18252
12 16	Kristoff Coal Co. DM Kroh Coal Co. DM	John Kristoff Mark Kroh		Brockton Good Spring	17925 17981
14	L.E.H. Mining Co. DM	Howard Renninger	111 High Street		17963
6	L.J.B. Inc. bk	Gelso Biscontini	St. Marys Road		18702
10-11	L.J.B., Inc. bk L. & M. Coal Co. DM	Lambert Reber	R. D. 2	Shamokin	17872
15	L.M.S. Coal Co. DM	Daniel Shade		Valley View	17983
5	Laflin Heights Coal Co. bk	Louis Falzone	540 Wyoming Av.		18644
16	Lahr Coal Co. DM	Marlin Lahr	Mountainside	Williamstown	17098
12	Lansford Mining Co., Inc. DM	Stephen Karabinos	4 Ridge Street		18232
5	Lear Coal Co. bk	Louis Falzone	540 Wyoming Av.		18644
7 15	Lee Coal Co., Inc., J.F. DM	J. F. Lee	836 N. Church		18201 17981
16	Legal Coal Co. BP Lehman Coal Co. Merin DM	J. A. Paulosky Mervin Lehman	Goodspring 3 R. D. 1	Tremont Pine Grove	17938
		Henry Ventre			18643
	Lehigh Valley Anthracite, Inc. 5 S bk B BP	Henry A Aetter.e	800 Exeter Ave.	** * 1 0 00 0011	10043
13	Live Oak Coal Co. BP	Peter Laychock, Jr.	R.D.1. Box 81-A	Pottsville	17901
7	Locust Valley Coal Co. bk B	H. Yudacufski	P. O. Box 179	Mahanoy City	17948
9	Lone Pine Coal Co. DM	Jerome Zupicich	825 Lott St.	Shamokin	17872
3	Long Coal Co., Millard S	Millard Long	933 Chestnut St.		17851
10	Lotus Coal Co. DM	Thos. Anzulovich	1135 Webster St.		17872
11	Lower Region Colliery, Inc. W	Leonard Chapleski	Box 240	Shamokin	17872

Dis- trict	Operator	General Manager	Address		Zip Code
16	Lucas Coal Co., Franklin DM	Franklin Lucas	R. D. 3	Pine Grove	17938
16	M.A.D. Coal Co. DM	Alvin Morgan	322 Main Street	Williamstown	17098
11	M. & C. Coal Co. DM	Osborne Cressinger	R.D. 1. Box 240	Paxinos	17860
8	M. & J. Coal Co. bk	Robert Morris	313 Saylor Street	Atlas	17811
13	M. & N. Coal Co. DM	Michael Olenick	224 N. 20th Street		17901
8	M. & P. Coal Co. bk	Frank Moncavage	36 N. Market St.	Mt. Carmel	17851
8	M. & S. Coal Co. DM	Allen Shoffler	337 Melrose St.	Keiser	17832
10	M. G. & S. Coal Co. DM	Joseph Murin	301 S. Spruce St.	Mt. Carmel	17851
9	M. & W. Coal Co. DM	Joseph Walsh	503 West Avenue	Mt. Carmel	17851
15	M. W. S. Coal Co. DM	Palmer Mervine	R.D. 1, Box 306	Ashland	17921
16	Mace Coal Co., James DM	Russell Kerstetter		Spring Glen	17978
15	Madenford Coal Co. DM	George Madenford		Joliett	17981
7	Maksimik Coal Co. bk	Stanley Maksimik	435 W. Columbus	Shenandoah	17976
9	Malho Coal Co. BP	Margaret Malho		Lavelle	17943
12-15	Manbeck Dredging Co., Inc. W bk	Kenneth R. Heiser	218 E. Liberty St.	Schuylkill Ha.	17972
12	Mar Strip & Excavating Co. bk	Armando Zarra	R. D. 2	Tamaqua	18252
16	Marby Coal Co., Inc. DM	William Heitzman	R.D. 2, Box 340	Shamokin	17872
16	Marchuk & Sons Coal Co. DM	Steve Marchuk		Reinerton	17980
7	Marko Coal Co. DM	J. J. Markosky	436 W. ColumbusSt.	Shenandoah	17976
8	Marion Mining Co., Inc. B DM	Michael Raczkowski	P. O. Box 229	Shenandoah	17976
11	Marquette Coal Co. DM	D. H. Marquette	611 W. Pine St.	Shamokin	17872
5	Martinelli, Mathew bk	Mathew Martinelli	180 Parsons St.	Pittston	18640
	Matisko Coal Co., John bk CP	John Matisko	Mt. Cobb Rd., R.D.3		18436
10	Maurer Coal Co., Paul F. DM	Paul F. Maurer	820 Lott Street	Shamokin	17872
7	Mazaika Brothers Coal Co. BP	Edward Mazaika	R. D. 2	Tamaqua	18252
16	Meadowbrook Coal Co. W bk	Leslie Kimmel		Lykens	17948
2	Meadow Coal & Excavating Co. S	Andrew Brazzo	New Coxeville Rd.	Beaver Meadows	18216
14	Mercury Coal Co., Inc. DM	Leon Richter			17981
8	Mickey Coal Co. DM	Jos. Mickatavage	40 Oakland Avenue		17921
14	Miller Coal Co. DM	Daniel Miller		Valley View	17983
3	Minel, Inc. S	S. Korenkiewicz	R.D. 1, Box 141-K	Shamokin	17872
13	Minersville Coal Co., Inc. BP	Leo Strenkoski	Drawer N	Minersville	17954
5	Moffat Premium Anthracite, Inc. BP		78 Cottage Street		18407
7	Mohan Coal Co., J. E. bk	James E. Mohan	277 Chestnut St.		17921
11	Moore Coal Co. DM	Claude A. Moore	R.D. 2, Box 281	Shamokin	17872
8	Morack Coal Co. DM	John Morack	407 N. Vine Street		17851
10	Motto Partnership DM	Frank J. Motto	P. O. Box 15	Excelsior	17825
5	Mountain Coal Co., Inc. DM	Thomas Supey	55 W. Sixth Street	Wyoming	18644
12	Mountain Side Coal Co. BP	Roy Habel	648 E. Broad St.	Tamaqua	18252
14	Mountain Top Coal Co. DM	William Vesay			17954
10	Mountain View Coal Co. DM	James Foulds	1440 W. State St.	Shamoki.n	17872
7	McAdoo Mining Co. DM	Eugene Pinter	62 N. Tamaqua St.	McAdoo	18237
11	N. & L. Coal Co. DM	A. J. Novrocki	R.D. 1, Box 212		17860
13 15	Neumeister Coal Co., James DM	James Neumeister	R.D. 1, Box 66	Ashland	17921
10	Ney & Lehman Coal Co. DM	Carl Ney	300 S. Maple St.		17851
16	No. 1 Vein Coal Co. IM	Raymond Keefer	R.D. 2, Box 288		17872
	No. 4 Coal Co. DM	Frank Lucas	Main Street	Hegins	17938
4	North East Mining Co. S	Joseph T. Hughes	D 0 D T		17959
7 1=5	North Line Coal Co. S Northwest Mining Co. BP DM B S	C. Wayne Troxell John Gillen	P. O. Box L 78 Cottage Street	Shamokin	17872 18407
5	O.S.C. Co. bk	A. J. Kaufman	South Church St.	Carbondale	18407
14	Oakwood Coal Co., Inc. BP	David Deaven, Sr.	R. D. 3	Pine Grove	17963
13	Old Mill Coal Yard BP	Raymond Stein	P. O. Box 172		17944
13	Olenick Brothers Coal Co. BP bk	Nicholas Olenick			
	Olman & Co. DM	Joseph Olman	R.D. 1, Box 117-A 46 N. Tamaqua St.		17901 18237
7 5 5	Olyphant Premium Anth., Inc. bk CP	Samuel I Leanard	P. O. Box 282		18447
5	Opalka Coal Co. DM	Adam Opalka	438 Madison Ave.	Jermyn	18433
5	O'Toole, John F. B	John F. O"Toole	208 S. Hyde Park		18504
13	P. & H. Coal Co. DM	Walter Pewor	R.D. 2, Box 550		17901
15	P. & M. Coal Co. DM	Warren Porter	First Street		17957
8	P. M. M. Coal Co. bk	John Polcovich	103 E. Center St.		17927
10	P. & R. Coal Co. DM	Joseph Rutkowski	827 Scott Street		17872
15	Panther Head Coal Co. DM	Charles Butensky	, 50000 501860		17923
5	Panzitta Construction Co. DM	Joseph Panzitta	64 Bennett Street		18701
5	Pasternak Brothers S	John Pasternak	419 Center Street		18642
	Penag Coal Co. BP DM	Edward Twiggar	Sunbury & Rock St.		17872
14		Richard Fabri	729 Main Street		18403
14	Penbrook Coal Co. BP bk				
14	Penbrook Coal Co. BP bk Perry Coal Sales Co. Inc. bk BP			Scranton	18500
	Perry Coal Sales Co., Inc. bk BP	Thomas Perry	530 Green Ridge St.	Scranton	18509
14 5 5	Perry Coal Sales Co., Inc. bk BP Phillips Coal Co. DM	Thomas Perry Lewis H. Phillips	530 Green Ridge St. R.D. 1, Box 133	Scranton Shamokin	17872
14 5 11	Perry Coal Sales Co., Inc. bk BP Phillips Coal Co. DM	Thomas Perry Lewis H. Phillips	530 Green Ridge St.	Seranton Shamokin Pottsville	

trict	Operator	General Manager	Address		Z:
10	Pine Line Coal Co. DM	Harry Wallick	300 Market St.	Shamokin	17
7	Pleasant Hill Coal Co. DM	Peter Smulligan	Vulcan	Barnesville	18
8	Polcovich Coal Co. DM	John Polcovich	103 E. Center St.	Centralia	175
6	Pollock, Inc., Ken bk	George Sorber	Route 11	Hunlock Cree	
5	Pompey Coal Co. bk BP	Charles Pompey	P. O. Box 91	Jessup	18
В	Poponiak Brothers Coal Co. DM	John Poponiak	146 Warsaw St.	Keiser	17
5	Popple Coal Sales Co., Raymond bk	Raymond Popple	300 Newrose Bldg.	Pittston	186
2	Premium Fine Coal Co., Inc. bk	John Federak	202 Hunter Street	Tamaqua	18
3	R.B.F. Coal Co. S	Robert Fanella	P. O. Box 454	Mt. Carmel	17
5	R. & K. Coal Co. DM	George Rigdosh		Wiconisco	17
5	R. & J. Coal Co. DM	Gene Minnich		Pine Grove	17
9			EOS Toomat Ama		
		Francis Revenis	528 Locust Ave.	Centralia	17
2	R. & R. Coal Co. BP	Ronnie Roinick	521 Oak Street	Jim Thorpe	18
5-7	Racho, George bk	Charles Wezner	P. O. Box 98	Hazleton	18
2	Randolph Coal Co. bk	Paul Connors	P. O. Box 173	Pottsville	18
9	Ramph Coal Co. DM	Melvin Ramph	1101 Chestnut St.	Kulpmont	17
-10	Ranshaw Transportation & Auto	•		•	
	Wreckers Co. W bk	Leonard Chapleski	P. O. Box 5	Ranshaw	17
2 1. 7					
3-4-7- 9-11-12	Reading Anthracite Co. bk W S B BP	G. A. Schnee	200 Mahantongo St.		17
7	Reichwein & Beury Coal Co. BP	Harold Reichwein	R.D. 1, Box 261	Ashland	17
1	Reidinger Coal Mining Co. DM	Joseph Reidinger	P. O. Box 4	Paxinos	17
	Reidinger Coal Service, Inc. BP	C. Wayne Troxell	P. O. Box L. Y.	Shamokin	17
	Reiner Coal Co. DM	William Reiner	837 E. Grand St.	Tower City	17
-15	Remninger & Partners Coal Co. DM	Theodore Renninger	obi ne diana poe	Zerbe	17
			D 0 Per 66		17
	Rocky Mountain Coal Co. DM	M. E. Kerstetter	P. O. Box 66	Gowen City	
-11	Ron Lee Coal Co., Inc. BP DM	Elwood Swank	R. D. 1	Paxinos	17
3-10	Rosini Coal Co. S BP	E. J. Rosini	P. O. Box 184	Shamokin	17
3	S. & B. Coal Co. DM	Edward Sorokach	P. 0: Box 14	Minersville	17
	S.B.K. Coal Co. DM	Mark Shade		Hegins	17
	S. & C. Coal Co. DM	W. J. Stellar	1302 Scott St.	Kulpmont	17
	S. & D. Coal Co. S	Ernest DiRenzo	330 Melrose St.	Keiser	17
3	S. & F. Coal Co. DM	John Federovich	Main Street	Seltzer	17
5	S. & K. Coal Co. DM	Palmer Klinger	1012 Maple Street	Valley View	17
1	S. & M. Coal Co. DM	John Simondejka		Minersville	17
3	S. & S. Contracting Co. S	Edward Sosnoski	219 E. Melrose St.	Keiser	17
5	S. & S. Coal Co. DM	Michael Scheib	Star Route, Box 10	Tremont	17
5	S. & W. Coal Co. DM	C. L. Williamson		Valley View	17
3	Sanchez Construction Co. S	James Curran	P. O. Box 176	Minersville	17
7	Sanders Coal Co. DM				17
		Walter Anascavage	1015 W. Pine St.	Shamokin	
3-9	Savitski Bros. Coal Sales S BP DM		Forest & Mulberry	Atlas	17
3	Scheib Coal Co. DM	Michael Scheib	S.R. 319, Box 10	Tremont	17
1	Schneck Coal Co., Thos. W. BP	Thomas W. Schneck	R. D. 1	Pine Grove	17
2	Schickram, William bk	William Schickram	130 Clay Street	Tamaqua	18
1-13	Schuylkill Contracting Co. S bk	F. J. Ryan	Box 360 , R.D. 2	Pottsville	17
1	Schwartzlander Coal Co., Inc. DM	J. Schwartzlander	31 North Street	Tremont	17
				Shaft	
9-13		Steve Forgotch	7 Back Road		17
L-5-6	Scranton Excavating Co. S bk	Rocco Domiano	3 E. McClure St.	Old Forge	18
3	Seanawaitis Bros. Coal Co. DM	Anthony Seanawaitis		Minersville	17
5	Sebastopol Coal Co. bk	Anthony Giarratano	P. O. Box 702	Pittston	18
5	Shade Coal Co. DM	Alvin Shade		Valley View	17
5	Sharp Mountain Coal Co. DM	Henry Reber	R. D. 1	Pine Grove	17
Ś	Shomper Coal Co. BP DM	Russell H. Shomper	305 Vine Street	Williamstown	
5-6	Silverbrook Anthracite, Inc. BP bk		322 Simpson St.	Dupont	18
2		Andrew Bonchack		New Phila.	17
3	Silver Creek Coal Co., Inc. BP		P. O. Box 246		
	Siminitus Coal Co. DM	Edward Siminitus	R.D. 1, Box 99%	Pottsville	17
2	Skripnek Coal Co. DM	Daniel Skripnek	R. D. 1	New Ringgold	
7	Skytop Coal Co., Inc. bk B DM	Felix DiCasimirro	P. O. Box 355	Mahanoy City	
3	Snyder Coal Co., Leroy IM	Leroy Snyder	R. D. 1	Lykens	17
3	Sorokach Coal Co. DM	Edward Sorokach	P. O. Box 14	Minersville	17
2	South Tamaqua Coal Pockets BP	Donald Warne	R. D. 3	Tamaqua	18
1		David Wenrich	R. D. 1, Box 335-E		17
	Slo-Burn Coal Co., Inc. DM W				
5	Smeltz Coal Co. DM	Joseph Shade	R. D. 1	Hegins	17
5	Spancake & Herring Coal Co. DM	Milton Spancake	R. D. 2	Pine Grove	17
3-10-					
1-16	Split Vein Coal Co. S BP DM	Elwood Swank	R. D. 1, Box 336-C	Paxinos	17
1	Springfield Coal Co. DM	S. Korenkiewicz	P. O. Box 141-K	Shamokin	17
5			T. C. DOX THI-II		
	Stahl Coal Co. DM	John Stahl	31 C W-4- Ct- 1	Valley View	17
7	Starwood Coal Corp. B	Alfred Peca	14 S. Main Street		
				Hazleton	18
3 5	State Coal Co., Inc. BP bk Strohecker Coal Co. BP	G. M. Seiler Joel Strohecker	109 E. First St. R. D. 1	Elizabethvil	

Dis-					Zip
trict	Operator	General Manager	Address		Code
13	Studlack Coal Co. DM	Andrew Studlack	314 New Castle St.	Minersville I	
8	Sun Coal Co., Inc. bk	Saverio Greco	P. O. Box 412	Mt. Carmel 1	7851
10	Sunshine Coal Co. BP	Ralph Steinhart	P. O. Box 502	Trevorton 1	7881
16	Superior Coal Co. BP	Roy Blyer		Valley View 1	7983
6	Susquehanna Coal Co.BP	Lawrence G. Lebo	8 W. Main Street	Nanticoke 1	8634
8	Swamp Coal Co. DM	Edward Olbrish	753 Scott Street	Kulpmont 1	7851
L-13	Swatara Coal Co. S BP	Wm. P. Parker	P. O. Box G	Minersville 1	7954
15	Sweet Water Coal Co. DM	Leonard Harner	R. D. 2	Hegins 1	7938
11	Swift Coal Sales BP	Adam Swift	1100 Center Street	Shamokin l'	7872
11	T. & M. Coal Co. DM	T. J. Morris	905 W. Pine Street	Shamokin l	7872
7	Tedesco Bros. Coal Co. B bk	F. M. Tedesco	P. O. Box 4	Pardeesvillel	.8243
12	Thirty Slope, Inc. DM	Edmund Watkins	P. O. Box 229		7976
14	Tobin Coal Co. DM	Allen Tobin	530 Colliery Ave.	Tower City 1'	7980
13	Tokarchek Coal Co. DM	Michael Tokarchek	214 Laurel Street	Minersville 1	7954
12	Tracy Coal Co. DM	Michael Dudash	R. D. 3	Pottsville 1	7901
7	Trenton Coal Co. DM	John K. Biskupics	23 E. Spruce St.	Mahanoy Cityl	7948
10	Twin Oaks Coal Co. DM	Leonard Machesic	R. D. 1	Paxinos l'	7860
16	Underkoffler Coal Co. BP DM	Glen Underkoffler		Williamstownl'	7098
4	Valent Coal Co., Frank S	Frank Valent	360 S. Center St.	Pottsville 1	7901
7	Valley Coal Co. BP	Stanley Lech	R. D. 2	Tamaqua 1	8252
16	Valley Construction Co. DM	George Fronk		Valley View 1	7983
4	Valley Enterprises, Inc. S	Joseph Petrole	R. D. 2	Tamaqua 1	8252
4	W. & W. Construction Co. S	George Walaitis	2179 W. Norwegian	Pottsville 1	7901
13	Walaitis Coal Co. DM	George Walaitis	40 S. Wyland St.	Frackville l'	7931
10	Wehry Coal Co. DM	Paul Wehry	1615 W. Independence	eShamokin l'	7872
7	Wesner Coal Co. BP	W. J. Wesner	R. D. 2	Tamaqua 1	8252
10	West Cameron Coal Co. DM	Robert Erb	R. D.	Shamokin l'	7872
13	West West Coal Co., Inc. DM	Leo Strenkoski	P. O. Drawer I	Minersville 1	7954
12	Whippoorwill Coal Co. DM	Joseph Tarconish	Washington Street	Middleport 1	7953
8	White Birch Coal Co. DM	Michael Raczkowski	P. O. Box 229	Shenandoah 1	7976
9	White Coal Co. bk	Wilbur White	P. O. Box 47	Ashland 1	7921
16	White's Vein Coal Co. DM	Clayton Shade		Sacramento 1	7968
11	Whitney Coal Co., Inc. DM	Charles Greco	1054 Scott Street	Kulpmont 1	7834
16	Williamson Coal Co., Inc. DM	Alfred Williamson		Valley View 1	7983
12	Williams Partnership DM	Evan Williams		New Phila. 1'	7959
13	Winne Land Co. W	R. M. Bickel	R.D. 2, Box 360½	Pottsville 1	7901
16	Wolfe Coal Co. DM	William Wolfe	307 North Street	Williamstownl'	
15	Wolfgang Coal Co. DM	Marlin Wolfgang	169 Wiconisco St.	Tower City 1	
13	Woratyla Coal Co. DM	Andrew Woratyla	P. O. Box 2	Llewellyn l'	7944
13	Woodside Mining Co. DM	John Olenick	R. D. 1, Box 117-A		7901
12	Zakrewsky Coal Co. DM	Peter Zakrewsky		Tamaqua 18	8252
9	Zanella Bros. Coal Co. DM	Stephen Zanella	34 Spruce Street		7921
16	Zimmerman Coal Co., Marlin DM	Marlin Zimmerman		Ravine 1	7966

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NOTE: DM - Denotes Deep Mines
S - Denotes Strip Mine Operations
B - Denotes Breakers
BP - Denotes Breaker Preparation Only
W - Denotes Washery
bk - Denotes Bank Operations

Anthracite Deep Mine Inspection Districts were redistricted as of January 1, 1968

### COMMONWEALTH OF PENNSYLVANIA

### DEPARTMENT OF MINES AND MINERAL INDUSTRIES

# ANTHRACITE DIVISION Breakers, Washeries and Preparation Plants

1968

11 Ace 8 Ace	reparation Plant	Company	Location	Zip
5 Ace 5 Act 5 Act 5 Act 7 Ac 7 B-D 12 B-D 12 B-C 12 B-C 12 B-C 13 B-C 14 B-C 15 Bec 5 Bec 16 Bec 17 Bla 1 Bl	ce Breaker	Ace Coal Co.	Blakely	185
8	ce Breaker	Ace Coal Sales	Weigh Scales	1781
5 Avo 7 B-D 12 B-D 12 B-C 13 B-C 14 B-C 15 Bec 5 Bec 12 Bec 5 Bec 12 Bec 5 Bec 12 Bec 6 Bec 12 Bec 6 Bec 11 Bli 1	ce Cleaning Plant	Ace Anthracite, Inc.	Blakely	1851
7	tlas Washery	Bridy, Inc.	Atlas	178
7 B-D 12 B-D 12 B-D 12 B-D 12 B-D 12 Bea 12 Bea 12 Bea 12 Bea 13 Bil 1 Boo 5 Bol 6 Bol 7 Gan 10 Car 10 Buc 7 Can 10 Dim 11 Dim 13 Dim 13 Dim 14 Dim 15 Ech 10 Gie 13 Gie 14 Gw 17 Gw 18 Har 17 Har 17 Har 17 Har 17 Har 18 Har 19 Jed 11 Hon 12 Jed 15 Har 17 Har 18 Har 19 Har 19 Har 10 Hon 11 Hon 11 Hon 11 Hon 11 Hon 12 Har 13 Har 14 Har 15 Har 16 Har 17 Har 18 Har 19 Har 10 Hon 11 Hon 11 Hon 12 Har 15 Har 16 Har 17 Har 18 Har 18 Har 18 Har 19	voca Cleaning Plant	Perry Coal Sales Co., Inc., Thomas	Avoca	1861
Bar   Bea	-D Fine Coal Plant	B-D Mining Co.	Mahanoy Township	179
7 Beas   Beas   Beas   Beas   Beas   Beas   Blas	. & N. Breaker	B. & N. Coal Co.	Schuylkill Haven	179
12 Bee 5 Bel 5 Bel 5 Bel 6 Bel 7 Bla 1 Bli 1 Boo 5 Bol 6 Boo 7 Gar 10 Car 10 Car 11 Dim 11 Dim 13 Dim 14 Dim 13 Dim 14 Dim 15 Ech 16 Gle 13 Gle 17 Gow 17 Gow 18 Har 17 Har 17 Har 17 Har 17 Hon 11 K. 12 Jef 15 Jef 16 Ks. 17 Ks. 18 Ks.	ar-Mac Breaker	Bar-Mac Coal Co., Inc.	Weigh Scales	178
5 Bell Bla 1	eaver Brook Fine Coal Pl.	Huss, George	Hazle Township	187
5 Bela Bla 12 Bla 14 Bla 15 Bla 16 Bla 16 Bla 17 Bla 16 Bla 17 Bla 18 Bl	eechwood Cleaner Plant	Reading Anthracite Co.	Seltzer	179
7	el Air Breaker	Duryea Coal Sales Co., Inc.	Duryea	186
1 Bii 1 Boo 5 Boo	lack Heath Breaker	Phoenix Contracting Co.	Cressona	179
1 Bii 1 Boo 5 Boo	Laschak Breaker	Blaschak Coal Co., Inc.	St. Nicholas	179
1 Boo 5 Bol 5 Bol 7 Bro 7 Bro 7 Bro 8 Bro 7 Bro 8 Bro 8 Bro 9 Bro	liss Crushing Plant	Bliss Coal Co.	Cherry Township (Mildred)	186
55 Bold Park Park Park Park Park Park Park Park	ooth Cleaning Plant	E. & B. Coal Sales	P.O. Box 206, Mildred	186
12 Bro 7 Bro 7 Gar 10 Car 11 B D. a 8 Dl.a 8 Dl.a 11 Dlm 13 Dlm 14 Dcn 15 Ech 16 Gle 13 Gle 17 Gow 7 Gow 17 Gow 17 Haz 7 Haz 7 Haz 7 Hhg 11 H. 11 Hoo 11 H. 12 J. 13 Ht. 14 Ho 15 Ha 16 Ho 17 Ho 11 Ho 11 Ho 11 Ho 12 J. 14 K. 15 K. 12 K. 12 K. 13 K.	olands Breaker	DeAngelis, Inc.	Carbondale	184
7 Buc 7 Car 10 Car 11 D., 8 Bull Dim 13 Dim 13 Dim 15 Ech 16 Gie 13 Gie 16 Gie 13 Gie 17 Gow 17 Gow 18 Har 17 Hon 11 Hon 11 Hon 11 Hon 11 Hon 12 J. 15 J. 16 K. 17 J. 18 K. 18 K. 18 S. Kas 9 Ker 15 Kas	rockton Breaker	R. & R. Coal Co.	Brockton	179
7 Can 10 Car 11 Car 11 Car 12 Car 13 Din 13 Din 14 Car 14 Car 15 Ech 16 Car 17 Cow 17 Cow 18 Car 18	ickley Breaker	Buckley Coal Co.	Ringtown	179
10 Car 8 Dia 11 Din 12 Din 13 Din 13 Din 15 Ech 16 Gle 13 Gle 16 Gle 13 Gle 17 Gow 17 Gow 12 Gre 11 Har 17 Har 17 Har 17 Har 17 Har 17 Har 17 Hon 11 Hoo 11 Hoo 11 Hoo 11 Ho 12 J. 15 J. 16 J. 17 J. 18 J. 1	andleton Breaker	Coleby Coal Co., Inc.	Gilberton	179
L1 D  8 Di.m.  13 Dim.  14 Dim.  15 Dim.  16 Dim.  16 Dim.  17 Dim.  18	arbon Run Breaker	Rosini Coal Co.	South Shamokin	178
8 Dia Dia Dim	& Z. Breaker	L. & Z. Coal Co.	Weigh Scales	178
L1 Dim Dim Control	iamond Breaker		Atlas	178
Dir.R   Dir.R		Sun Coal Co., Inc.		178
Li Don  Scholl Den  Li K.  Li Li K.  Li Li K.  Li Li K.  Li K.  Li K.  Li K.	iminick Breaker	Diminick Coal Sales	Paxinos	
55 Ech Li Fra 0.0 Gle 3.3 Gle 6.7 Gow 7 Gow 1.1 Har 7 Haz 7 Haz 7 Hhaz 7 Hu 1.3 Hu 1.1 Hu 1.1 Hu 1.1 Hu 1.1 Hu 1.1 Lu 1.2 Lu 1.3 Hu 1.3 Hu 1.1 Lu 1.4 Lu 1.5 Hu 1.5	iRenzo Breaker	DiRenzo Coal Co.	Minersville	179
Li Fra Games	onaldson Breaker	Industrial Coal Sales Co.	Donaldson	179
0.0 Gle 3.0 Gle 3.3 Gle 7 Gow 7 Gow 2.2 Gre 1.1 Har 7 Haz 7 HH2 3.3 HI1 7 HOn 1.1 HOn 1.1 J.	cho Breaker	BlueBell Enterprises Co.	Tremont	179
6 G.	ranklin Hydrotated Breaker		Ravine	179
13 GLe 7 Gow 7 Gow 12 Gre 12 Gre 12 Gre 13 Har 7 Har 7 Har 7 HHa 13 Hdl 7 Hon 11 Hoo 15 Hub 12 J. 15 J. 15 K. 18 K. 18 K. 18 K. 18 K.	len Burn Breaker	Glen Burn Colliery, Inc.	Shamokin	178
7 Gow 7 Gow 12 Gre 11 H. 5 Har 7 Haz 7 Haz 7 Haz 13 Htl. 17 Hon 11 Hon 11 Hon 12 J. J. 16 K. 12 K. 12 K. 18 K. 18 5 Kas 9 Ker 15 Koc	len Lyon Breaker	Susquehanna Coal Co.	Glen Lyon	186
7 Gow C2 Green C2 Green C2 Green C2 Green C2 Green C2 Green C2	lenn Worth Breaker	Glenn Worth Coal Co.	Cressona	179
12 Green Har	owen Breaker	Gowen Coal Co.	Fern Glen	182
Har	owen Cleaning Plant	Gowen Coal Co.	Fern Glen	182
5 Har 7 Haz 7 Haz 7 Haz 7 Haz 7 Haz 13 Hal 14 Hag 13 Hal 17 Hon 11 Hoo 15 Hoo 15 J. 7 Jed 15 J. 7 Jed 15 K. 12 K. 13 K. 14 K. 15 K. 18 K.	reenwood Breaker	Greenwood Mining Co.	Rahn Township	191
7 Haz 7 Haz 7 Hag 13 Htl 7 Hon 7 Hon 65 Hub 65 Hub 65 Jol 14 Jol 15 K. 13 K. 14 K. 15 Kas 8 Ker 8 Ker 8 Ker	. J. & H. Breaker	H. J. & H. Coal Co., Inc.	Trevorton	178
7 Haz 7 Hhg 13 Hil 17 Hon 11 Hoo 15 Hub 15 Jod 16 K. 12 K. 13 Kas 55 Kas 95 Ker 86	arry E. Breaker	Lehigh Valley Anthracite, Inc.	Swoyersville	187
7 Hig 3 Hill 7 Hon 7 Hon 11 Hoo 5 Hub 12 J. 7 Jed 15 Jol 14 K. 12 K. 13 K. 14 K. 15 K. 16 K. 17 K. 18 K. 18 K. 19 K. 10	azleton Shaft Breaker	Lehigh Valley Anthracite, Inc.	Hazleton	182
33 HAI 7 Hon 7 Hon 11 Hoo 55 Hub 52 J. 7 Jed Jol 11 K. 8 S 8 K 8 K 8 K 8 K 8 K 8 K 8 K 8 K 8 K 8 K		Lehigh Valley Anthracite, Inc.	Hazleton	182
7 Hon 7 Hon 11 Hon 55 Hub 55 Hub 52 J. 7 Jed 55 Jol 11 K. 12 K. 13 K. 13 K. 12 Kas 5 Kas 9 Ker 55 Koc	ighland No. 5 Breaker	Jeddo-Highland Coal Co.	Foster Township	186
7 Hon 1.1 Hoo 5 Hub 1.2 J. 7 Jed 1.1 K. 1.2 K. 1.2 K. 1.3 K. 1.3 K. 1.4 Kas 5 Kas 5 Kas 6 Ker 6 Koc	illside Breaker	Hegins Mining Co.	Zerbe	179
Hoo 5 Hub 12 J. 7 Jed Jol 11 K. 12 K. 13 K. 12 Kas 5 Kas 89 Ker 15 Koc Koc 5 K	oneybrook Breaker	Archer Coal Co.	Audenried	182
5 Hub 12 J. 7 Jed 15 Jol 16 K. 12 K. 13 K. 14 Kas 15 Kas 16 Kas 17 Koc	oneybrook Breaker	Honeybrook Mines, Inc.	Audenried	182
12 J	oover Breaker	Hoover Coal Co., Inc.	Paxinos	178
7 Jed 5 Jol 1 K. 2 K. 3 K. 2 Kas 5 Kas 9 Ker Koc	uber Breaker	Blue Coal Corporation	Ashley	187
Jol K. 2 K. 3 K. 2 Kas 5 Kas 9 Ker Koc	. & E. Breaker	J. & E. Coal Co.	South Tamaqua	182
Jol 11 K. 12 K. 13 K. 12 Kas 5 Kas 9 Ker 15 Koc	eddo No. 7 Breaker	Jeddo-Highland Coal Co.	Hazle Township	187
1 K. 2 K. 3 K. 2 Kas 5 Kas 9 Ker 5 Koc	oliett Breaker	Lehigh Valley Anthracite, Inc.	Joliett	179
.2 K. .3 K. .2 Kas 5 Kas 9 Ker .5 Koc	. & D. Breaker	K. & D. Coal Co.	Weigh Scales	178
3 K. 2 Kas 5 Kas 9 Ker Koc	. M. & F. Breaker	K. M. & F. Coal Service	Middleport	179
.2 Kas 5 Kas 9 Ker .5 Koc	& P. Breaker	K. & P. Coal Co.	Minersville	179
5 Kas 9 Ker .5 Koc	aska Breaker	Film Coal Co., Inc.	Middleport	179
9 Ker .5 Koc	assa Breaker	Silverbrook Anthracite, Inc.	Iaflin	187
.5 Koc	errigan Washery	Kerrigan Coal Co., Inc., Paul	Ashland R. D. 1	179
NOC T	ocher Breaker	Kocher Coal Co., Inc., Leon E.	Valley View	179
	egal Breaker	Legal Coal Co.	Valley View	179
	ion Breaker		Hazleton	182
	ive Oak Breaker	Lehigh Valley Anthracite, Inc.	Primrose	179
		Live Oak Coal Co.		178
	ocust Summit Breaker	Reading Anthracite Co.	Locust Gap	
	oree Breaker	Blue Coal Corporation	Larksville	187
	ower Region Washery owland Washery	Lower Region Colliery, Inc. Manbeck Dredging Co., Inc.	Trevorton Road Landingville	178

Dis- trict	Preparation Plant	Company	Location	Zip Code
12	Lucanna Fine Coal Plant	Ginther Coal Co.	Cumbola	17930
16	Lykens Breaker	Fronk Coal Co., George	Iykens	17748
L3	Lytle Washery	Winne Land Co.	Primrose	17954
9	Malho Breaker	Malho Coal Co.	Lavelle	17943
8	Mammoth Breaker	Lehigh Valley Anthracite, Inc.	Raven Run	17946
7	Maple Hill Cleaning Plant	Reading Anthracite Co.	Maple Hill	17976
13	Maple Spring Breaker	C. L. S. Coal Co.	Branch Dale	17923
12	Marlin Breaker	Cass Contracting Co.	Marlin	17951
5	Marvine Sizeing Plant	Northwest Mining Co., Inc.	Scranton	18509
5 5 7	Matisko Cleaning Plant	Matisko Coal Co.	Forest City	18421
7	Mazaika Breaker	Mazaika Bros. Coal Co.	Rush Township	18252
16	Meadowbrook Washery	Meadowbrook Coal Co.	Lykens	17048
13	Minersville Breaker	Minersville Coal Co., Inc.	Minersville	17954
7	Morea Breaker	Lehigh Valley Anthracite, Inc.	Morea	17955
7	Mount Hazle Breaker	Locust Valley Coal Co.	Mahanov Township	17958
12	Mountain Side Breaker	Mountain Side Coal Co.	South Tamaqua	18252
12	Nesquehoning Cleaner Plant			18240
12			Nesquehoning R. D. 1 Seltzer	
12	New St. Nicholas Fine Coal			17974
12	New St. Nicholas Breaker	Reading Anthracite Co.	Seltzer	17974
	No. 6 Washery	Manbeck Dredging Co., Inc.	Lansford	18232
14	Oakwood Breaker	Oakwood Coal Co., Inc.	Pine Grove R. D. 3	17963
13	Old Mill Breaker	Old Mill Coal Yard	Llewellyn	17944
13	Olenick Breaker	Olenick Brothers Coal Co.	Forestville	16035
5	Olyphant Cleaning Plant	Olyphant Premium Anthracite	Dickson City	18519
5	O'Toole Cleaning Plant	O'Toole, John F.	Moosic	18505
14	Penag Breaker *	Penag Coal Co.	Good Spring	17981
5 16	Penbrook Breaker	Penbrook Coal Co.	Archbald	18403
16	Pine Creek Breaker	Pine Creek Coal Co.	Spring Glen	17978
5	Pompey Breaker **	Pompey Coal Co.	Jessup	18434
12	Premium Fine Plant	Premium Fine Coal Co., Inc.	South Tamaqua	18252
12	Pine Forest Cleaner Plant	Reading Anthracite Co.	St. Clair	17970
5	Prospect Cleaning Plant	Lehigh Valley Anthracite, Inc.	Plains	18705
12	Randolph Washery	Randolph Coal Co.	Port Carbon	17965
10	Ranshaw Washery	Ranshaw Transp. & Auto Wreckers	Ranshaw	17866
5	Raymond Breaker	Northwest Mining Co., Inc.	Eynon	18718
9	Reichwein & Beury Breaker	Reichwein & Beury Coal Co.	Gordon	17921
11	Reidinger Breaker	Reidinger Coal Service, Inc.	Paxinos	17860
11	Ron Lee Breaker	Ron Lee Coal Co., Inc.	Weigh Scales	17872
7	Rosa Breaker	Capparell Coal Co., Inc.	Shenandoah	17976
7	St. Nicholas Fine Coal Pl.	Reading Anthracite Co.	St. Nicholas	17948
12	Salem Creek Breaker	Lehigh Valley Anthracite, Inc.	Pottsville	17901
9	Savitski Breaker	Savitski Brothers Coal Sales	Atlas	17811
14	Schneck Breaker	Schneck Coal Co., Thomas W.	Pine Grove R. D. 1	17963
16	Shomper Breaker	Shomper Coal Co.	Williamstown R. D.	17098
12	Silver Creek Breaker	Silver Creek Coal Co., Inc.	New Philadelphia	17959
11	Slo-Burn Washery			
12	South Tamaqua Breaker	Slo-Burn Coal Co., Inc. South Tamaqua Coal Pockets	Weigh Scales	17872
11	Split Vein Breaker		South Tamaqua	18252
7		Split Vein Coal Co., Inc.	Weigh Scales	17872
8	Starwood Breaker	Starwood Coal Corporation	New Boston	17958
	State Breaker	State Coal Co., Inc.	Strong	17879
16	Strohecker Breaker	Strohecker Coal Co.	Elizabethville R.D.	17023
16	Superior Breaker	Superior Coal Co.	Valley View	17983
10	Sunshine Breaker	Sunshine Coal Co.	Trevorton	17881
13	Swatara Breaker	Swatara Coal Co.	Zerbe	17984
11	Swift Breaker	Swift Coal Sales	Paxinos	17860
5	Taylor Breaker	Moffat Premium Anthracite, Inc.	Taylor	18517
11	Trevorton Breaker	Reading Anthracite Co.	Trevorton	17881
16	Underkoffler Breaker	Underkoffler Coal Co.	Lykens	17048
7	Valley Breaker	Valley Coal Co.	Rush Township (Tamaqua)	18252
7 5 7	Waddell Washery	American Silt Processing Co.	Winton (Jessup)	18434
7	Wesner Breaker	Wesner Coal Co.	Rush Township (Tamaqua)	18252
15	Westwood Washery	Manbeck Dredging Co., Inc.	Joliett	17981

NOTE: \* Breaker idle - maintenance men only. \*\* Pompey Breaker abandoned July 1968.



















